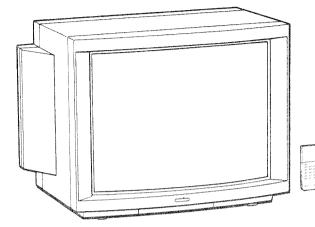
7393

SERVICE MANUAL



US Model

Chassis No. SCC-5951-A Canadian Model

Chassis No. SCC-607H-A

P-2B CHASSIS

Note: The service manual for RM-755 has been issued separately.

| MODE | S OF | THE | SAME | SERIES |
|----------|------|-----|------|--------|
| KV-27SXF | 10 | | | |
| KV-32SXF | 10 | | | |
| | | | | |

SPECIFICATIONS

Television system Channel coverage American TV standard

VHF: 2-13 UHF: 14-69

Cable TV: 1-125

Picture tube

Microblack Trinitron tube

27-inch picture measured diagonally

28-inch picture tube measured

diagonally

Input

VIDEO INPUT 1, 2 and 3 (phono

jacks)

Video: 1 Vp-p, 75-ohms unbalanced, sync negative Audio: 500 mVrms (100%

modulation)

Impedance: 47 kilohms S VIDEO INPUT (4-pin mini DIN)

Y: 1 Vp-p. 75-ohms unbalanced, sync negative

C: 0.286 Vp-p (Burst signal)

75-ohms

Output

MONITOR OUTPUT (phono jacks)

Video: 1 Vp-p, 75-ohms unbalanced, sync negative Audio: 500 mVrms (100%

modulation)

Impedance: 10 kilohms AUDIO OUTPUT (VARIABLE) (phono

jacks)

More than 408 mVrms at the maximum volume setting (variable)

(100% modulation) Impedance: 10 kilohms

Power requirements

120 V AC, 60 Hz Power consumption

170W (max.)

1W (in standby condition)

Accessories supplied Remote Commander RM-755

with 2 size AA batteries

Antenna connector

Optional accessories U/V mixer EAC-66

Connecting cord VMC-810S/820S

RK-74A

Design and specifications subject to change without notice.

MICROFILM

MC-Service

TRINITRON® COLOR TV SONY®

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WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!

COMPONENTS IDENTIFIED BY SHADING AND MARK

1 ON THE SCHEMATIC DIAGRAMS, EXPLODED
VIEWS AND IN THE PARTS LIST ARE CRITICAL TO
SAFE OPERATION. REPLACE THESE COMPONENTS
WITH SONY PARTS WHOSE PART NUMBERS APPEAR
AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS
PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS
THAT ARE CRITICAL TO SAFE OPERATION ARE
IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE
REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

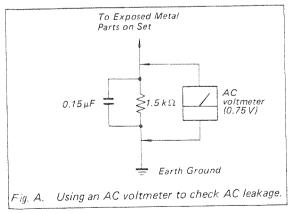
ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

SAFETY CHECK-OUT (US MODEL ONLY)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

- Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
- 2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
- Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
- 4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
- Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
- Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
- 7. Check the condition of the monopole antenna (if any).
 - Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
- 8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
- Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



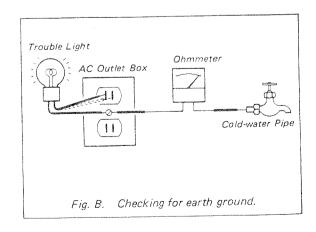
LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

- A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
- A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
- 3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

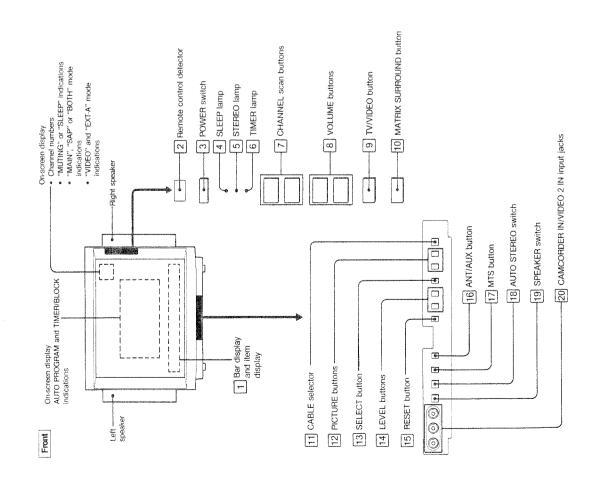
HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)



SECTION GENERAL

1-1. LOCATION AND FUNCTION OF CONTROLS



[1] Bar display

Indicates picture or sound level setting. Also the reflecting surround mode indication is displayed here.

PICTURE buffons 12

Press "+" to increase picture contrast or "-" to decrease it.

Set to ON to view cable TV programs. Set to OFF to view VHF or UHF programs.

[1] CABLE selector

f3 SELECT button

Press to select items to adjust picture and sound.

14 LEVEL buttons

Press +/- to adjust the selected item.

[5] RESET button
Press to restore the factory preset level of the

[16] ANT/AUX (antenna auxiliary) button Press to select pay cable TV when a connector is

connected.

|I7| MTS (Multichannel TV sound) button Press to receive a stereo program and/or second audio [18] AUTO STEREO switch
Normally set this switch to ON.
Set to OFF when excessive noise is heard during a program.

stereo broadcast because of a weak signal. The sound becomes monaural but the noise should be eliminated.

[19] SPEAKER switch
Normally set this switch to ON. Set to OFF when
connecting an audio system to the AUDIO OUTPUT

[20] CAMCORDER INIVIDEO 2 IN input jacks
Connect to the video and audio outbut jacks of a
portable VCR (e.g. Camcorder), video disc player, etc.

Remote control detector

(C4)

Point the Remote Commander towards this detector.

3 POWER switch

Press to turn the unit on. Press again to turn the unit

SLEEP lamp

4

Lights up when the SLEEP button on the Remote Commander is pressed. This lamp also lights up for approx. 17 seconds when the power is turned on.

STEREO lamp

(2)

Lights up when a stereo broadcast is received with the AUTO STEREO switch set to ON. TIMER famp Lights up to indicate that the program start timer has

9

Press "+" for higher-numbered channels or "-" for CHANNEL scan buttons

~

lower-numbered channels.

Press "+" to increase volume or "-" to decrease it. 8 VOLUME buttons

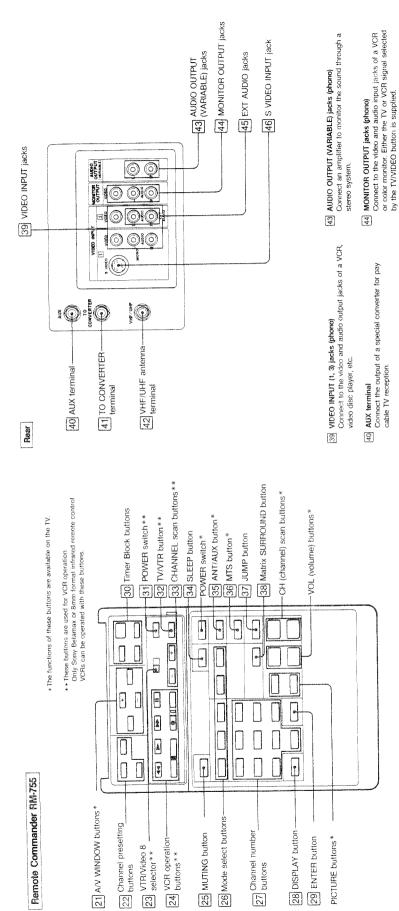
TV/VIDEO button
Press to monitor the picture or sound coming in through the VIDEO input jacks. Each press on the button changes the mode as follows:

6

VIDEO 1 → VIDEO 2 → VIDEO 3 → EXT.A → TV

MATRIX SURROUND button Press to activate matrix surround. Press again to [0]

deactivate it.



[45] EXT (external) AUDIO jacks (phono)
An external audio source can be connected to these jacks to be combined with the picture displayed on the TY. Connect to the audio/line output of the audio source.

Connect the input of a special converter for pay cable

41 TO CONVERTER terminal

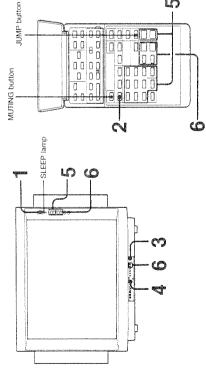
TV reception.

Connect an external antenna or a CATV cable.

42] VHF/UHF antenna terminal

46 S VIDEO INPUT jack (4-pin mini DIN) Connect to the S video output jack of a VCR.

Seeing TV program



- Press POWER to turn on the TV.
- indication is displayed on the screen, press the TV button on the Remote Commander so that a channel 2 If the "VIDEO 1", "VIDEO 2", "VIDEO 3", or "EXT-A" number is displayed.
- Set the CABLE selector
 For VHF and UHF channels: OFF
 For cable TV programs : ON
- For pay cable TV channels: the indication should be 4 Press the ANT/AUX button as necessary. For VHF, UHF and regular cable TV channels: the "AUX" indication should be off.
- Select channels in one of the following two ways.
 Press the numeral(s) of the channel, then press
- Example: To select channel 6, press 6 and ENTER. ENTER.
- ENTER.

To select channel 125, press 1, 2, 5 and

- If you pressed a wrong numeral, wait for a few seconds until it disappears. Then, try again. Press CH or CHANNEL "+" for higher-numbered channels and "-" for lower-numbered channels.
- Press VOL or VOLUME "+" or "–" to adjust the volume and PICTURE "+" or "–" to adjust the picture.

1

To switch quickly between 2 channels, press JUMP. Each time JUMP is pressed, the channel which appeared on the screen directly before is recalled. This button enables you to keep track of two programs alternately.

To mute the sound, press MUTING.
The "MUTING" indication will appear on the screen. To

restore the sound, press MUTING again or VOL +f-

To turn off the unit, press POWER again.

SLEEP.
The wave the TV turn off automatically after 1 hour, press SLEEP.
The "SLEEP" indication will appear on the screen for a few seconds and the SLEEP lamp on the TV will remain ill until the TV is turned off. To cancel the SLEEP timer, press SLEEP again so that the SLEEP lamp goes out, or turn off the TV.

Enjoying FM Simulcasted Programs

Over-the-air FM simulcasts

broadcast a program simultaneously so that viewers can enjoy TV programs in high-fidelity stereo. The video portion of the program is viewed normally by selecting the correct channel and the audio portion is heard in stereo by tuning Sometimes a TV station and an FM radio station will to the correct FM station of the user's FM tuner.

movies in stereo over the cable. In the case of cable stereo programs, however, the audio signal is not sent over the air but sent on FM frequencies over the cable. By splitting the incoming cable signal and running it to both the TV tuner and an FM tuner/receiver, these cable programs can be enjoyed in stereo over the TV's double-sided speakers as

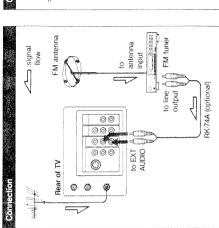
some channels like MTV (Music Television) and selected

Cable TV companies have also started "simulcasting"

Over-the-cable FM simulcasts

equipped with External audio (L/R) jacks to allow the user to connect an FM tuner so that stereo simulcasts can be enjoyed on the TV's stereo speakers. Set-up is shown This TV featuring double-sided speakers has been

shown below.



eggegg The state of the state o to line AB FM tuner output QB Signal : antenna flow input 0 RK-74A (optional) Signal splitter (optional) 00 000 **0** to EXT AUDIO Rear of TV CATV 75-ohm coaxiai cable Contraction 0 0

Operation

Preparation

- Make sure the following are properly set.

 Press TV/NIDEO button as many times as necessary so that the on-screen "EXT-A" indication is displayed.
 - For over-the-air FM simulcasts, the CABLE selector should be OFF.
- For over-the-cable FM simulcasts, the CABLE selector viewed, the on-screen "AUX" indication should be as should be ON, and depending on the channel to be

(Press ANT/AUX button to change as necessary.). For regular cable TV channels:

For pay cable TV channels: The indication should be displayed. The indication should be off.

1 Set the FM tuner to the frequency designated by the

2 Operate the TV the same as in usual TV viewing.

1.3. PRESETTING CHANNELS

Use the supplied Remote Commander

Enjoying Matrix Surround Effect

To enjoy sound reproduction with the atmosphere of a movie theater or a concert hall, press the MATRIX SURROUND button when the stereo sound is received. Press the button again to deactivate Matrix surround.

Note: The surround function operates only for stereo sound.

| The same of the sa | On-screen indication | 章 - | |
|--|----------------------|----------------|------------|
| | Matrix surround | Turned ON | Turned OFF |

Additional Picture and Sound Adjustment

1 Press SELECT consecutively until the on-screen display of the item you desire to adjust appears. The display will change as follows:

The display will disappear after a few seconds but will appear again when the next step is taken.

2 Press LEVEL +(R)/~(L) to adjust the selected item.

| | Selected item | -(L) Left button | +(R) Right button |
|------------------|------------------|--|---|
| | HUE | Skin tones become purplish | Skin tones become greenish |
| PICTURE | COLOR | For less color intensity | For more color intensity |
| ADJUST- | BRIGHT | For less brightness | For more brightness |
| | SHARP. NESS | For fess sharpness | For more sharpness |
| | TREBLE | To decrease treble response | To increase treble response |
| SOUND ADJUST. | BASS | To decrease bass response | To increase bass response |
| MENT | BALANCE | To emphasize the left speaker's volume | To emphasize to emphasize the left the right speaker's volume |

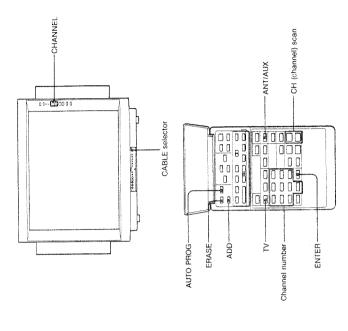
On-screen color-bar displays

Office and the above adjustments are made, a colored segmented bar appears on the screen to indicate the appropriate setting level.

To clear the adjustment levels and restore the factory preset levels at once, press RESET. (A "RESET" indicator will appear for a few second.)

Both automatic and manual programming are available. Automatic programming presets all the receivable channels automatically. With manual programming, you can preset only the desired channels. When the presetting has been completed, only the preset channels appear, in numerical sequence, when CH (CHANNEL) +1- are pressed.

| Receivable channels of this unit are: VHF: 2-13 UHF: 14-69 Cable: 1-125 |
|---|
| |



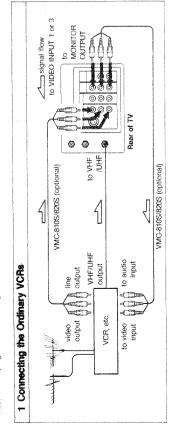
1-4. APPLICATIONS WITH OPTIONAL EQUIPMENT

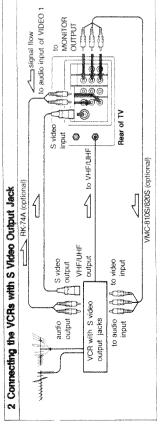
VCR Connection

With the following connection, you will be able to..

-View the playback of the video tapes

Record a TV program while viewing another Record TV programs





A portable VCR, video camera recorder can be easily connected to the CAMCORDER IN/VIDEO 2 on the front

About S video input

Usually these two signals are combined in a VCR and sent (luminance or brightness) and C (chroma or color) signals. as one signal to a TV. Separation of the Y and C signals prevents them from interfering with one another, thereby Video input and output signals may be separated into Y This unit is equipped with an S video input jack through which these separated signals can be input directly. improving picture (especially in color) quality.

- Up to three VCRs or other equipment can be connected to VIDEO INPUT 1, 3 jacks and CAMCORDER INIVIDEO 2 jacks.
- Wither connecting a VCR and other equipment to the TV, connect the
 VCR to VIDEO.
 The signals input from VIDEO I are not output from MONITOR OUT.
 The signals input from VIDEO I are not output from MONITOR OUT.
 The money a montain strong to VIDEO.
 The money is connect it to L jack
 The money is connect it to L jack
 The money is connect it to L jack

When connecting to S VIDEO INPUT

- Connect to audio input jacks of VIDEO 1.
 The picture from the video input jack of VIDEO 1 (phono jack) is not

 - displayed.

 Select the VIDEO 1 mode to see the picture from S video.

Turn on the TV.

2 Press the VIDEO/button or a mode select button so that the "VIDEO 1", "VIDEO 2", or "VIDEO 3" indication appears on the screen.

VIDEO 1; for equipment connected to VIDEO INPUT 1 and S VIDEO INPUT

VIDEO 2: for equipment connected to VIDEO INPUT 2 VIDEO 3: for equipment connected to VIDEO INPUT 3

For operation, refer to the instruction manual furnished with the VCR. When using a Sony infrared remote control VCR, the VCR can be operated with the supplied Remote Commander. 1 Set the VTR/VIDEO 8 selector.

: Video 8 -Sony Betamax VCR: VTR Sony 8mm VCR

2 Press the VCR operation button on the Commander.

To return to the TV mode

-Press the TV/VIDEO button on the TV until a channel number appears on the screen.

- Press the TV button on the Remote Commander.

When you cannot obtain a clear picture and/or sound Make sure that the TVVTR (program select) button on the VCR is set to TV. Re-select the desired channel with the buttons on the TV or TV Remote Commander.

ပ**ဲ့ခုခု** တွင်စစ် Amplifier To Monitor the TV or Connected VCR Sound through an Audio System to audio Speakers to AUDIO OUTPUT 000 (VARIABLE) Rear of TV 0 **©** 0

Sound level adjustment

signal flow

(optional) RK-74A

adjust the level with the VOLUME buttons on the TV or the VOL buttons on the Commander, BASS and TREBLE controls to match the sound level of other audio equipment Keep the amplifier volume, bass and treble controls to certain positions (usually at the medium position) and or to your preference.

Keep the VCR away from the TV, if the picure or sound is affected. When no signal is fed through the VIDEO INPUT jacks even through the TV is in the video mode, "VIDEO" indication will appear on the screen.

MARIES.
When an audio system is connected to AUDIO OUTPUT, be sure to set
When an audio system is connected to AUDIO OUTPUT, be sure to set
When an audio system is connected to AUDIO OUTPUT, be sure to set
to off.

Caution

grams, films, video tapes and other materials may be copyrighted. Unauthorized recording of such material may be contrary to the provisions of the copyright laws.

1-5. TROUBLESHOOTING

Disturbances in picture and sound can often be eliminated by checking the symptoms and following the suggestions listed below.

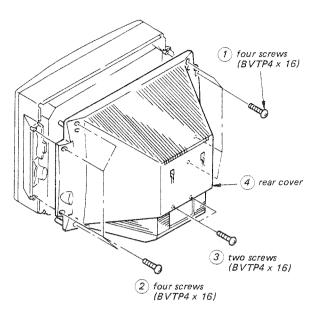
| DADJEST | JRE. 117. na/cable | Press VOLUME +. Release MUTING on the Remote Commander. Check that the MTS button is set correctly. Check that the TV/UDEO button or mode select button is set correctly. Set the SPEAKER switch to ON. | witched on? let? he TV/ n is set | orogram? JR. | e or the nnet? ABLE ing. na/cable he ANT/AUX correctly. | aused by noe. (e.g. ns, hairdryers itenna for ference. | om nearby buildings is problem. tional na or a CATV prove the |
|------------------|---|--|--|---|--|---|--|
| CHECK AND ADJUST | Adjust PICTURE. Adjust BRIGHT. Check antenna/cable connections. | Press VOLUME +. Release MUTING on the Remote Commander. Check that the MTS button is set correctly. Check that the TV/VIDEC button or mode select button is set correctly. Set the SPEAKER switch to ON. | Is POWER switched on? Power in outlet? Check that the TV/ VIDEO button is set correctly. | • Is it a color program? • Adjust COLOR. | Is it an active or the correct channel? Check the CABLE selector setting. Check antenna/cable connections. Check that the ANT/AUX button is set correctly. | This is often caused by local interference. (e.g. cars, neon signs, hairdryers etc.) Adjust antenna for minimum interference. | Reflections from nearby mountains or buildings often cause this problem. A highly directional outdoor antenna or a CA cable may improve the |
| SYMPTOW | Poor or no picture (screen not lit), good sound | Good picture, no sound | No picture (screen not lit), no sound | No color | Snow and noise only | Dotted lines or stripes | Double images or contracts |
| | <u> </u> | | | GENERAL | 4 | | |

| | SYMPTOM | CHECK AND ADJUST |
|-------|------------------|---|
| | | Is the clock set |
| | | correctly? |
| | Program start | Is the setting correct? |
| IMEK/ | TIMER and/or | Have you unplugged the |
| BLOCK | channel BLOCK | unit? |
| | does not operate | Has a power failure |
| | properly. | occurred? |
| | | If so, the settings have |
| | | been erased. |

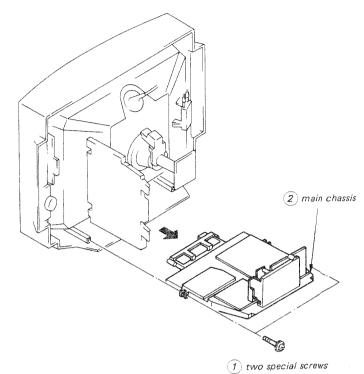
If the problem persists, contact your nearest service facility.

SECTION 2 DISASSEMBLY

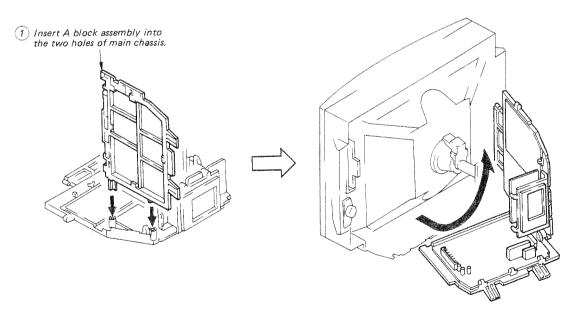
2-1. REAR COVER REMOVAL



2-2. MAIN CHASSIS REMOVAL

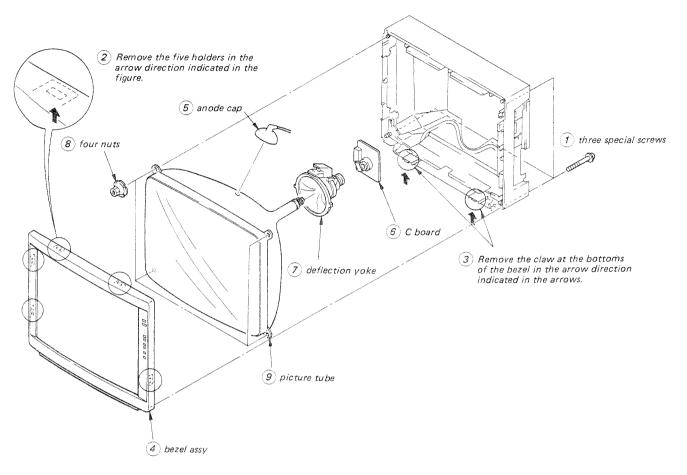


2-3. SERVICE POSITION



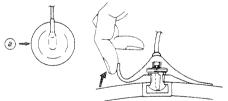
(2) Turn it 90° in the direction of arrow.

2-4. PICTURE TUBE REMOVAL

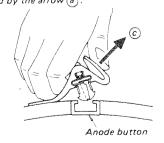


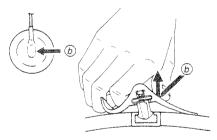
REMOVAL OF ANODE CAP

Removing Procedures



1) Turn up one side of the rubber cap in the direction indicated by the arrow (a).





- 2) Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow $\hat{\mathbf{b}}$.
- 3 When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

SECTION 3 SET-UP ADJUSTMENTS

- The following adjustment should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

Controls and switch should be set as follows unless otherwise noted:

PICTURE button 80% BRIGHTNESS 50%

Perform the adjustments in order as follows:

- 1. Beam Landing
- 2. Convergence
- 3. Focus Adjustment
- 4. White Balance

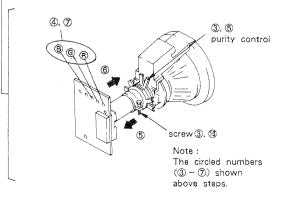
Note: Test Equipment Required.

- 1. Color-bar/Pattern Generator
- 2. Degausser
- 3. Oscilloscope

3-1, BEAM LANDING

Preparation:

- Feed in the white pattern.
- Before starting, degauss the entire screen.
- Turn on set power supply and receive an all-white signal.
- 2. Evenly degauss the entire screen.
- 3. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Figure 3-1.
- 4. Set BKG VR ® to maximum and set ® and © to minimum.
- 5. Move the deflection yoke back, and adjust the purity control so that (B) is in the center and (B) and (B) are at the sides, evenly. (Figure 3-2.)
- Move the deflection yoke forward so that the entire screen is red.
 - *If the deflection yoke is pushed all the way to the CRT then moved slightly back, landing adjustment is easier.
- 7. Substitute (6), then (8) for (8) in step 4 and check landing.
- 8. Rotate B, C and B once each and check landing.
- 9. When landing is not right, adjust the purity control and use magnets as shown in figure 3-3, then repeat steps 7 and 8.
- 10. When a magnet is used, be sure to perform step2, and tighten deflection yoke mounting screw loosely.



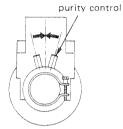
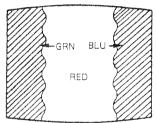
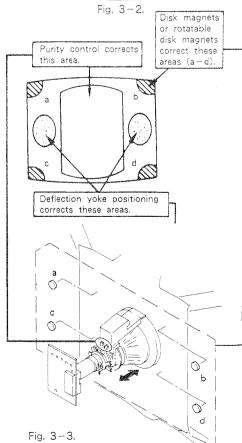


Fig. 3 - 1.



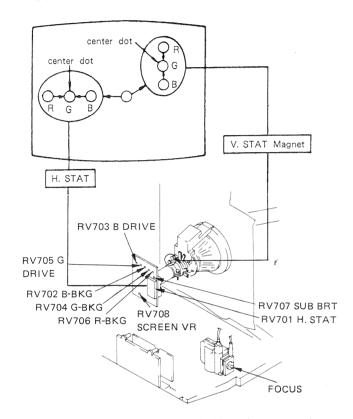


3-2. CONVERGENCE

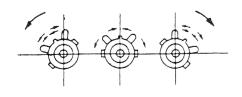
Preparation:

- Before starting, perform FOCUS, H. SIZE, and V. SIZE adjustments.
- Set BRIGHTNESS to minimum.
- Feed in the dot pattern.

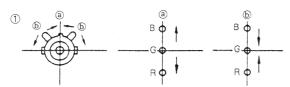
(1) Horizontal and Vertical Static Convergence

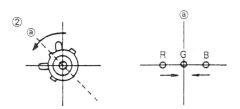


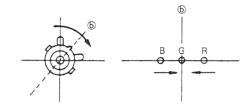
- 1. Adjust H. STAT VR to coincide red, green and blue dots on the center of screen (Horizontal movement).
- 2. Adjust V. STAT magnet to coincide red, green and blue dots on the center of screen (Vertical movement).
- 3. If the red, green and blue dots do not coincide on the center of screen with H. STAT VR, perform horizontal convergence adjustment using H. STAT VR and V. STAT magnet as shown below. (In this case, H. STAT VR and V. STAT magnet effect
- Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.

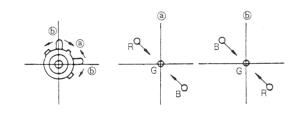


4. When the V. STAT magnet is moved in the direction of arrow @ and D, Red, Green and Blue dots move as shown below.

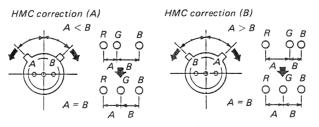






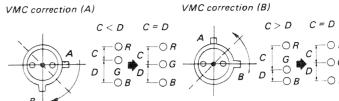


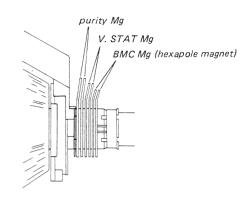
- HMC and VMC correction for Hexapole Magnet.
- 1. HMC (Horizontal, Mis, convergence) correction and motion of the Electron Beam with the Hexapole Magnet.



2. VMC (Vertical, Mis, convergence) correction and motion of the Electron Beam with the Hexapole Magnet.

VMC correction (A)

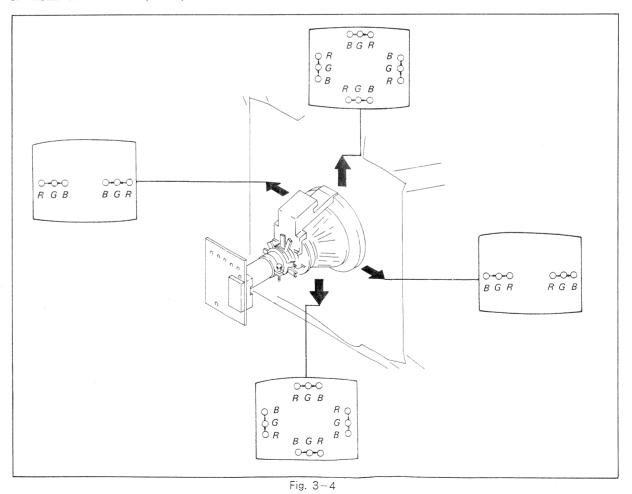




(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown in Fig. 3-4.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.



-14-

in the d Blue

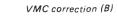
lagnet.

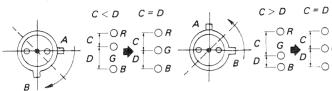
on and

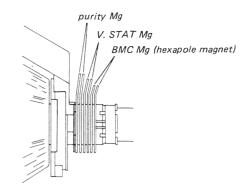
xapole

 VMC (Vertical, Mis, convergence) correction and motion of the Electron Beam with the Hexapole Magnet.

VMC correction (A)







(2) Dynamic Convergence Adjustment

Preparation:

- Before starting, perform Horizontal and Vertical Static Convergence Adjustment.
- 1. Loosen deflection yoke screw.
- 2. Remove deflection yoke spacers.
- 3. Move the deflection yoke for best convergence as shown in Fig. 3-4.
- 4. Tighten the deflection yoke screw.
- 5. Install the deflection yoke spacers.

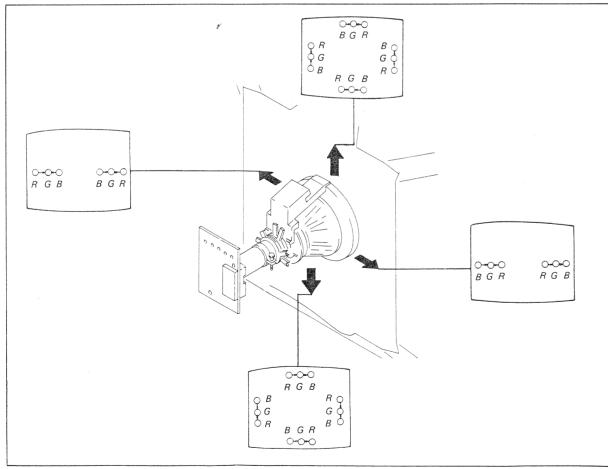
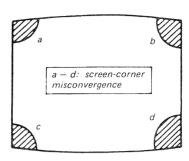


Fig. 3-4

-14-

(3) Screen-corner Convergence



3-3. FOCUS ADJUSTMENT

Adjust FOCUS control on the flyback transformer for a best focus.

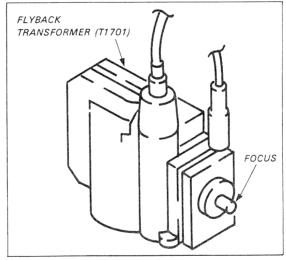


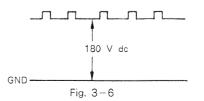
Fig. 3-5

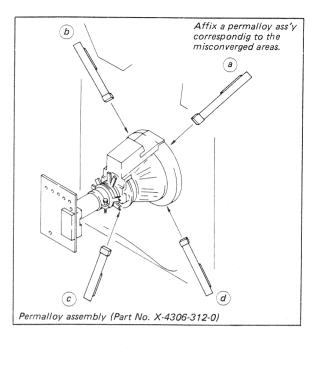
3-4. WHITE BALANCE

- Feed in the dot signal from pattern generator.
- PICTURE button 80%
 BRIGHTNESS 50%

[SCREEN (G2)]

1. Adjust BKG VRs (RV702, RV704, and RV706) so that voltages on the red, green and blue cathodes are 180 V dc with an oscilloscope as shown in Fig. 3-6.





Observe the screen and adjust RV708 (SCREEN) to obtain the faintly visible background of dot signal.

Note the color that first becomes visible by turning SCREEN $\,$ VR.

Do not turn a BKG control for this color.

[WHITE BALANCE]

- 1. Feed in the white signal from pattern generator.
- 2. Set the PICTURE button to obtain the faintly visible raster on the screen.
- Observe the screen and adjust the other two BKG VRs for best white balance.
- 4. Set the PICTURE button at maximum.
- 5. Observe the screen and adjust the DRIVE VRs (RV703, RV705) for best white balance.
- 6. Repeat steps 2 through 5 several times.

-15-

SECTION 4 SAFETY RELATED ADJUSTMENTS

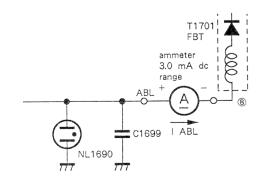
R1707, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS

The following adjustments should always be performed when replacing the following components (marked with on the schematic diagram).

IC1710, PM1700, R1703, R1707, R1700, R1713, R1716

- (1) Preparation before confimation
- Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS buttons to maximum.
- 2. Confirm that the voltage of the TP85 is more than 13 V DC when the set is operating normally with 120 V AC supply.
- (2) Hold-down operation confirmation
- 1. Turn the POWER switch ON, and receive entirely white signals and adjust ABL current to 1580 ± 20 μ A with PICTURE and BRIGHT etc buttons.
- 2. Apply DC voltage of over 17.38 V gradually to the TP85 via 1T40 from the DC stavilized power source. Confirm that the minimum voltage is less than 18.38 V DC whereby the raster disappears during operation of hold-down circuit.
- NOTE: When the hold-down circuit starts operating, switch OFF the POWER of the set immediately.
- 3. Turn the POWER switch ON, and receive dot signals and adjust ABL current to 210 \pm 10 μ A with PICTURE and BRIGHT etc buttons.
- 4. Apply DC voltage of over 18.51 V gradually to the TP85 via 1T40 from the DC stavilized power source. Confirm that the minimum voltage is less than 19.51 V DC whereby the raster disappears during operation of hold-down circuit.
- NOTE: When the hold-down circuit starts operating, switch OFF the POWER of the set immediately.
- (3) Hold-down readjustment

When step (2) is not satisfied, readjustment should be performed by altering the resistance value of R1707 (a component marked with \blacksquare).



CONFIRMATION WHEN REPLACING H. V. R.(HIGH-VOLTAGE REGISTOR)

The following adjustments should always be performed with reference to whether an X-ray radiation control circuit is connected or not, when replacing H. V. R. (High-Voltage Registor)

- *This check is to be performed when H. V. R. only is replaced, and has no relation to the hold-down circuit readjustment for replacement of parts marked
- (1) Connection confirmation
- Turn the POWER switch ON, and receive entirely white signals and set the PICTURE and BRIGHTNESS buttons to maximum.
- 2. When the set is operating normally with 120 V AC supply confirm that the voltage of the TP85 is over 13 V DC.
- *Use a digital multimeter whose input impedance over 100 M Ω when confirming the voltage of the TP85.

CONFIRMATION WHEN REPLACING IC681

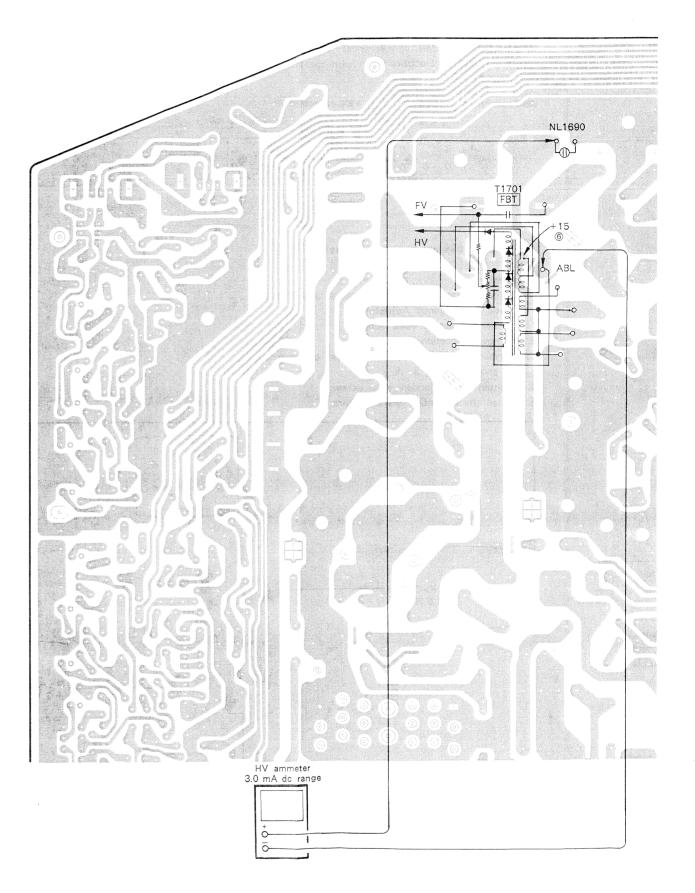
With the condition that applying AC 120 V and the TV set is in operation, confirm the AC relay will go off when 150.5 \pm 0.5 V is supplied to TP91 from an external DC power supply.

Remove the external DC voltage immediately after the relay went off.

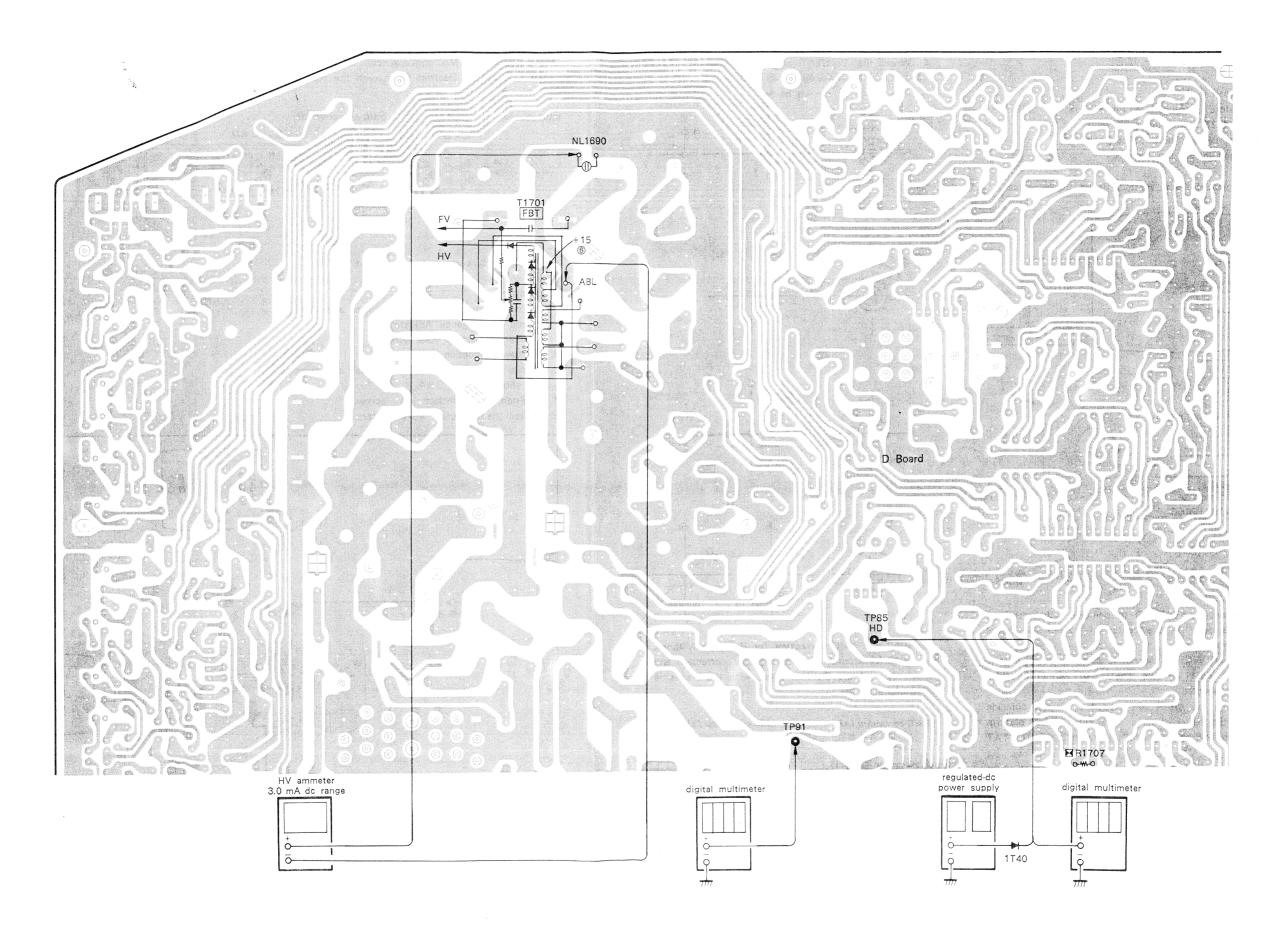
+B MAX VOLTAGE CONFIRMATION

The following adjustments should always be performed when replacing IC681.

- (1) The +B voltage confirmation
- Supply 130 ± V AC to with variable autotransformer.
- 2. Receive monoscope signals.
- 3. Set the PICTURE button into 80% and the BRIGHTNESS button into RESET.
- Confirm the voltage of TP91 is less than 136.0 V DC.
- If step 4 is not satisfied, replace IC681 and repeat above steps.

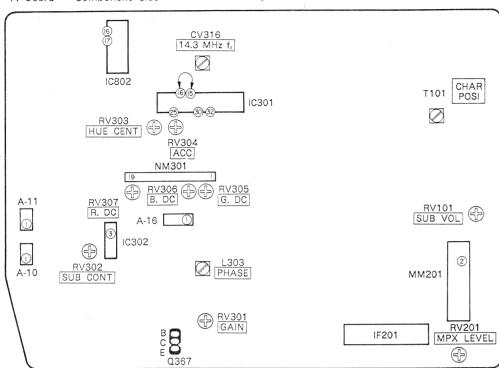


med itrol . R. only own rked irely and 0 V P85 ance the the l go rom med uto -.0 V peat



5-1. A BOARD ADJUSTMENTS

A board - Component side-

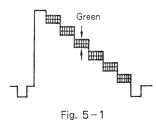


RF AND AGC ADJUSTMENT

- 1. Adjust with IF201 (VIF PACK) so as to disappear snow noise and cross-modulation.
- 2. Confirm them at every channel.

COMB TYPE FILTER ADJUSTMENT (RV301, L303)

- 1. Set at TV mode and receive color-bar signal.
- 2. Connect an oscilloscope to the Y signal output of the comb type filter (the emitter of Q367), and adjust RV301 (GAIN) and L303 (PHASE) taking tracking, so as the chroma component of the waveform to becomes minimum. (Fig. 5-1)



14.3 MHz fo ADJUSTMENT (CV316)

- 1. Receive color-bar signal.
- 2. HUE VOLUME 50% (Resetting) PICTURE VOLUME 70%.

- 3. Connect pin $\mbox{\em 30}$ of IC301 to GND through via 10 k Ω resistor.
- 4. Short pins (5) and (6) of IC301.
- 5. Observe pin ② of IC301 with an oscilloscope, and confirm that the color signal is out of synchronization.
- 6. Turn CV316 to make color synchronization.

SUB-CONTRAST ADJUSTMENT (RV302)

- 1. Receive color-bar signal.
- 2. PICTURE MAX COLOR MIN
- 3. Connect an oscilloscope pin 6 of NM301.
- 4. Adjust to 2.1 $^{+0.1}_{-0.2}$ Vp-p with RV302 (SUB CONT) as shown in Fig. 5-2.

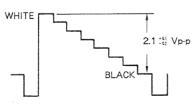
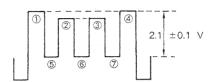


Fig. 5-2

CAUTION: Measurement should be performed under the conditions that removing A-16 connector and not applying ABL.

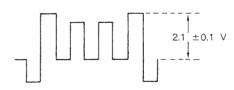
HUE ADJUSTMENT AND ACC ADJUSTMENT (RV303, 304)

- 1. Receive color-bar signal.
- 2. HUE ······· RESET COLOR ····· RESET PICTURE ···· MAX
- Observe pin (6) of NM301 with an oscilloscope, and adjust the output waveform so as to become that as shown in the diagram by turning the ACC volume (RV304) and Hue volume (RV303).



Make levels of ① and ④ even, ② and ③. ⑤ to ⑦ have a little residual tilt.

- 4. Confirm that the voltage pin (5) of IC301 at the middle point of the ACC volume (RV304) should be less than 9 V.
- 5. Confirm that the blue output pin 6 of NM301 should be 2.1 \pm 0.1 V after adjusted.



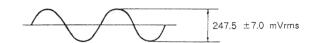
CAUTION: Measurement should be performed under the conditions that removing A-16 connector and not applying ABL.

NEW DYNAMIC COLOR ADJUSTMENT (RV305, RV306, RV307)

- 1. Recive color-bar signal.
- 2. N. D. C. Blue ON state
 PICTURE button MIN
 BRIGHTNESS 50% (restting)
- Watch the potential at pin (§) (G. DC) and pin (§) (B. DC) of NM301 to the pedestal at pin (§) (R. DC-1) of NM301 with RV305 and RV306, and adjust so that the input level off-set becomes disappear.
- 4. Apply 6.0 V DC to pin ① (SUB BRT) of A-16 connector, and adjust the pedestal levels pin ⑤ (R. DC-1) and pin ⑥ (R. DC-2) of NM301 so as to they become the same level with RV307.
- Switch the New. Dynamic Color at green and red, and confirm that there have been no differences in adjustments.

MPX LEVEL ADJUSTMENT (RV201)

- 1. Receive 400 Hz (100% modulation) sound signal.
- 2. Connect an RMS meter to pin (2) of MM201.
- 3. Adjust RV201 so that the MPX level is 247.5 \pm 7.0 mVrms.



SUB VOL ADJUSTMENT (RV101)

- 1. Receive 1.0 kHz (230 mVrms) sound signal.
- 2. VOLUME button MAX
- 3. Adjust RV101 (SUB VOL) so that the pin 1 and pin 1 of IC802 output level is 700 \pm 50 mVrms.
- 4. At this time, confirm the speaker output level (pin ① of A-11 connector and pin ① of A-10 connector) is above 7.40 Vrms.

INDICATOR POSITION ADJUSTMENT (T101)

- 1. Receive a color-bar signal.
- 2. PICTURE button MAX BRIGHTNESS button 50%
- 3. Adjust T101 as shown in Fig. 5-3.

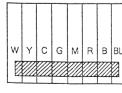


Fig. 5-3

5-2 D BOARD ADJUSTMENTS

nd pin

pin 🕦

)6, and

comes

f A-16

pin 🕦

101 so

3V307.

nd red.

erences

signal.

247.5

7.0 mVrms

201.

anal.

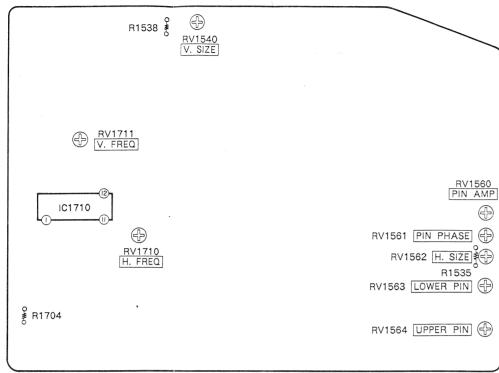
pin 16

 0 ± 50

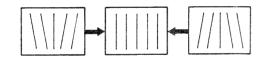
it level

f A-10

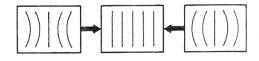




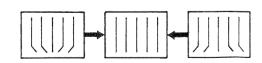
PIN PHASE ADJUSTMENT (RV1561)



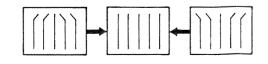
PIN AMP ADJUSTMENT (RV1560)



LOWER PIN ADJUSTMENT (RV1563)

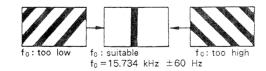


UPPER PIN ADJUSTMENT (RV1564)



H. FREQ ADJUSTMENT (RV1710)

- 1. Connect pin ① of IC1710 to pin ⑪ through 1.0 k Ω . At this time, be sure to connect pin ③ of IC302 on the A board to 12 V through 10 k Ω .
- 2. Turn the horizontal synchronizing volume (RV1710), and adjust the volume so as to flow of the picture becomes as shown in diagram.
- 3. Remove the 1.0 k Ω resistor and be sure to confirm the horizontal synchronization is normal and whether picture becomes out of order when channel is switched or not.



V. FREQ ADJUSTMENT (RV1711)

- 1. VIDEO Mode (no-signal).
- 2. Connect frequency counter across pin 19 of IC1710 and ground.
- 3. Adjust RV1711 for 55.0 ± 0.5 Hz on the frequency counter.

PICTURE BLANKING CONFIRMATION

(US. Model Only)

The following adjustments should always be performed when replecing the following components.

Regarding components of % R1704.

IC301, PM1700, D1543, R1552, R1704, R1705, R1713, R1716, R1637, R1700, R339, R340

- 1. Turn the POWER switch ON, and receive monoscope signal.
- Set the PICTURE button into 80% and the BRIGHTNESS button into DETENT.
- Apply DC voltage 16.00 ± 0.00 to the TP85 Via 1T40 from the DC stavilized power source.
- 4. Confirm that the picture is blanked till +B voltage is more than 121.0 V DC.
- Confirm that the picture is not blanked when INPUT voltage is more than 96 V AC.

V. SIZE CONFIRMATION

The following adjustments should always be performed when replecing the following components.

Regarding components of * R1538 (V. SIZE).

DY, C1539, C1548, IC1710, T1701, RV1540, R1538, R1539, R1546, R1671, R1672, R1732

- Turn the POWER switch ON, and receive monoscope signal.
- 2. Set the PICTURE button into 80% and the BRIGHTNESS button in to DETENT.
- 3. Adjust RV1540 (V.SIZE) so that the V.SIZE becomes minimum, and confim that the raster size is 275 cm or more.

H. SIZE CONFIRMATION

The following adjustments should always be performed when replecing the following components.

Regarding components of *R1535 (H. SIZE).

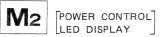
DY, RV1562, T1701, C1506, C1507, C1509, C1510, R1535, R1577, R1570, R1576

- Turn the POWER switch ON, and receive monoscope signal.
- Set the PICTURE button into 80% and the BRIGHTNESS button into DETENT.
- Confirm that the H.SIZE at minimum should not exceed 16.9 frames by adjusting RV1562 (H. SIZE).

SECTION 6 **DIAGRAMS**

KV-27SXR10 RM-755 KV-27SXR10 RM-755

M1 [CUSTOMER]





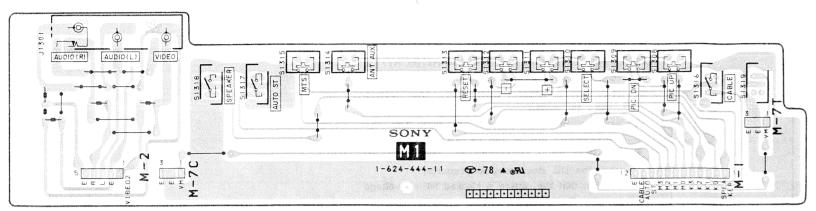


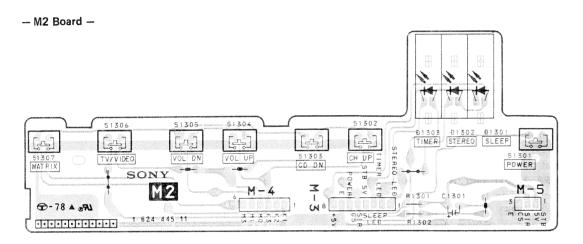


TUNER BAND SW, VIF, SIF Y CHROMA, AUDIO OUT PLL CONTROLLER

6-1. PRINTED WIRING BOARDS - Conductor Side -

- M1 Board -

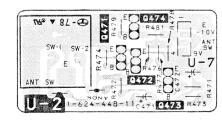


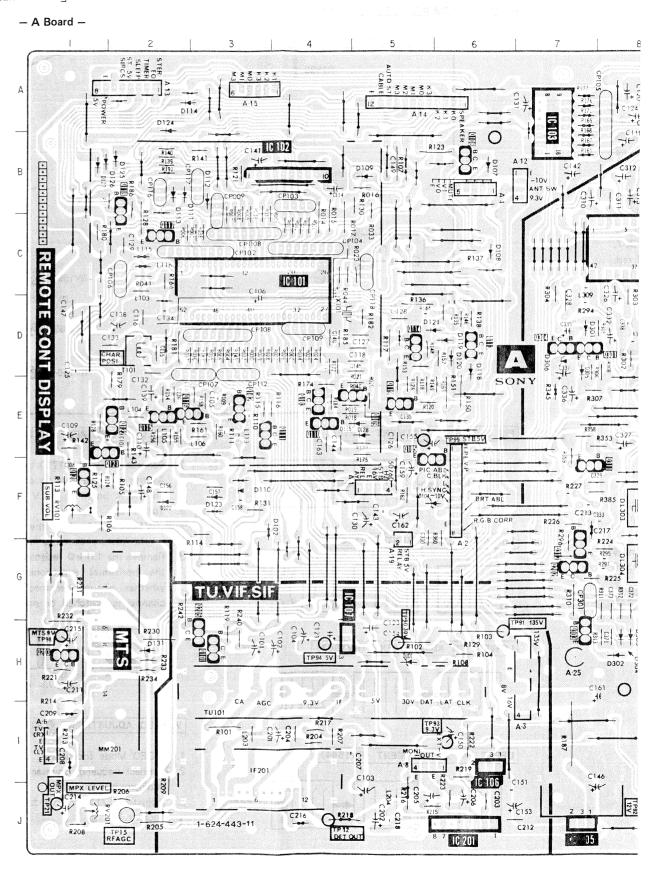


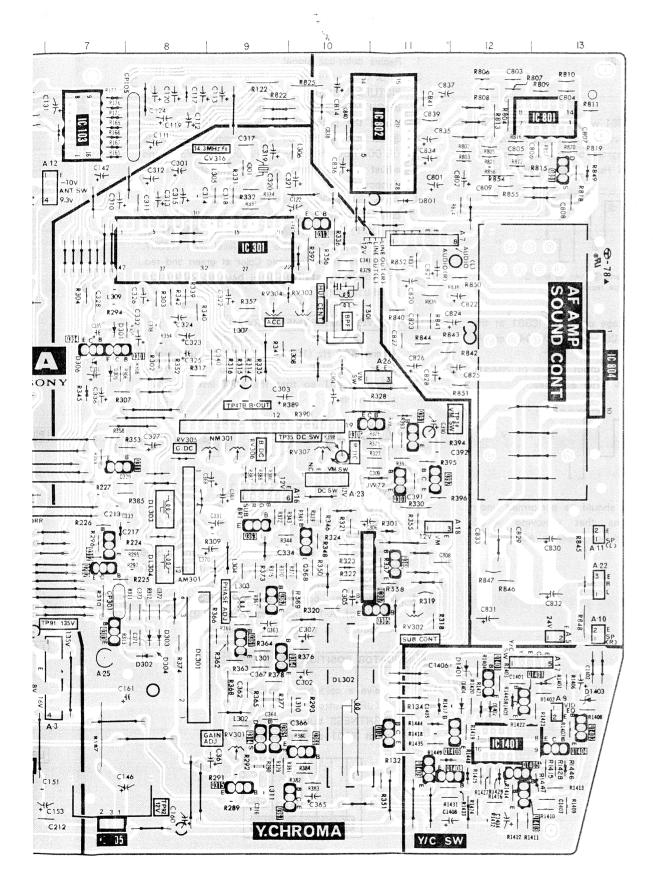
- M3 Board -



- U2 Board -

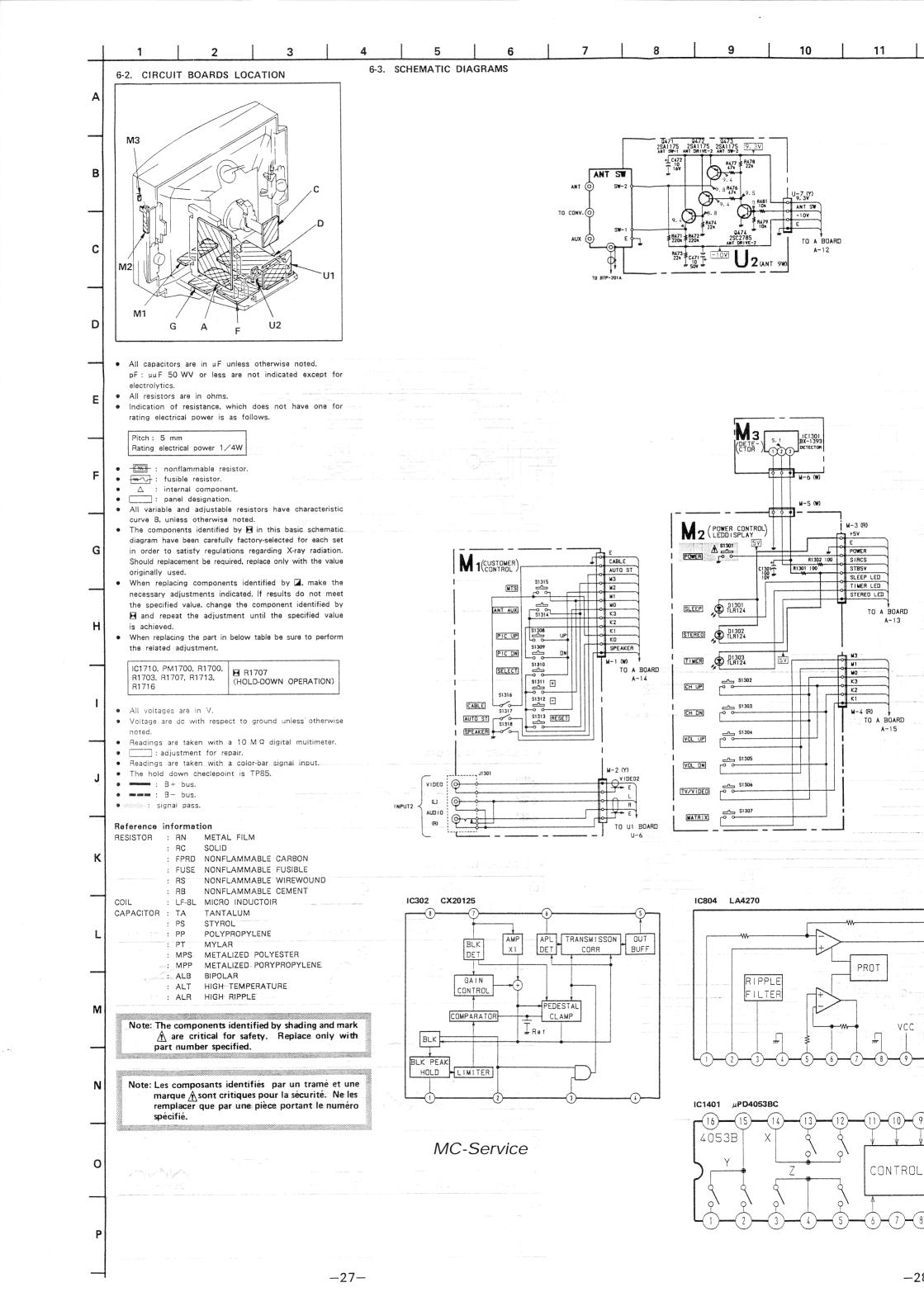


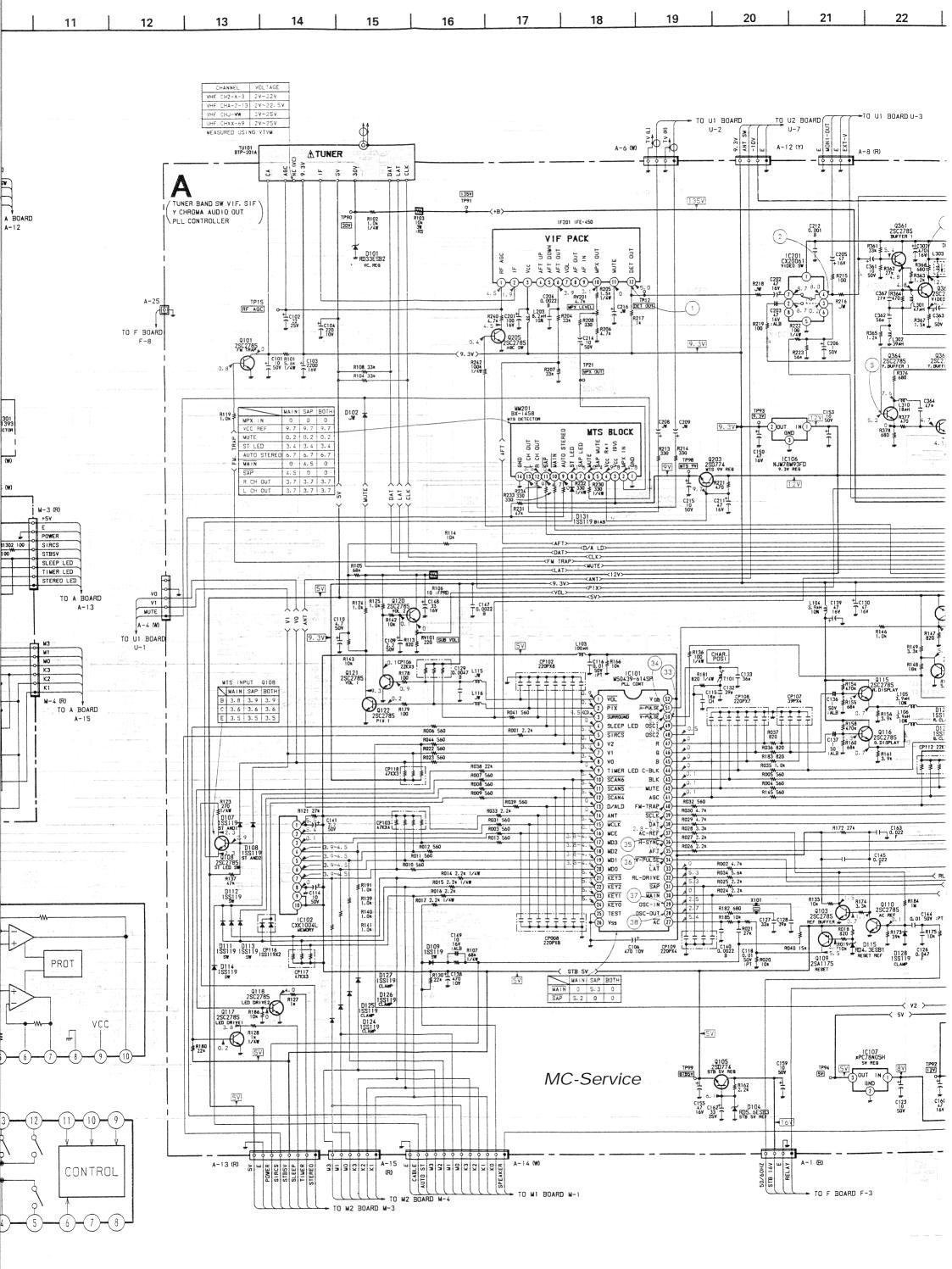


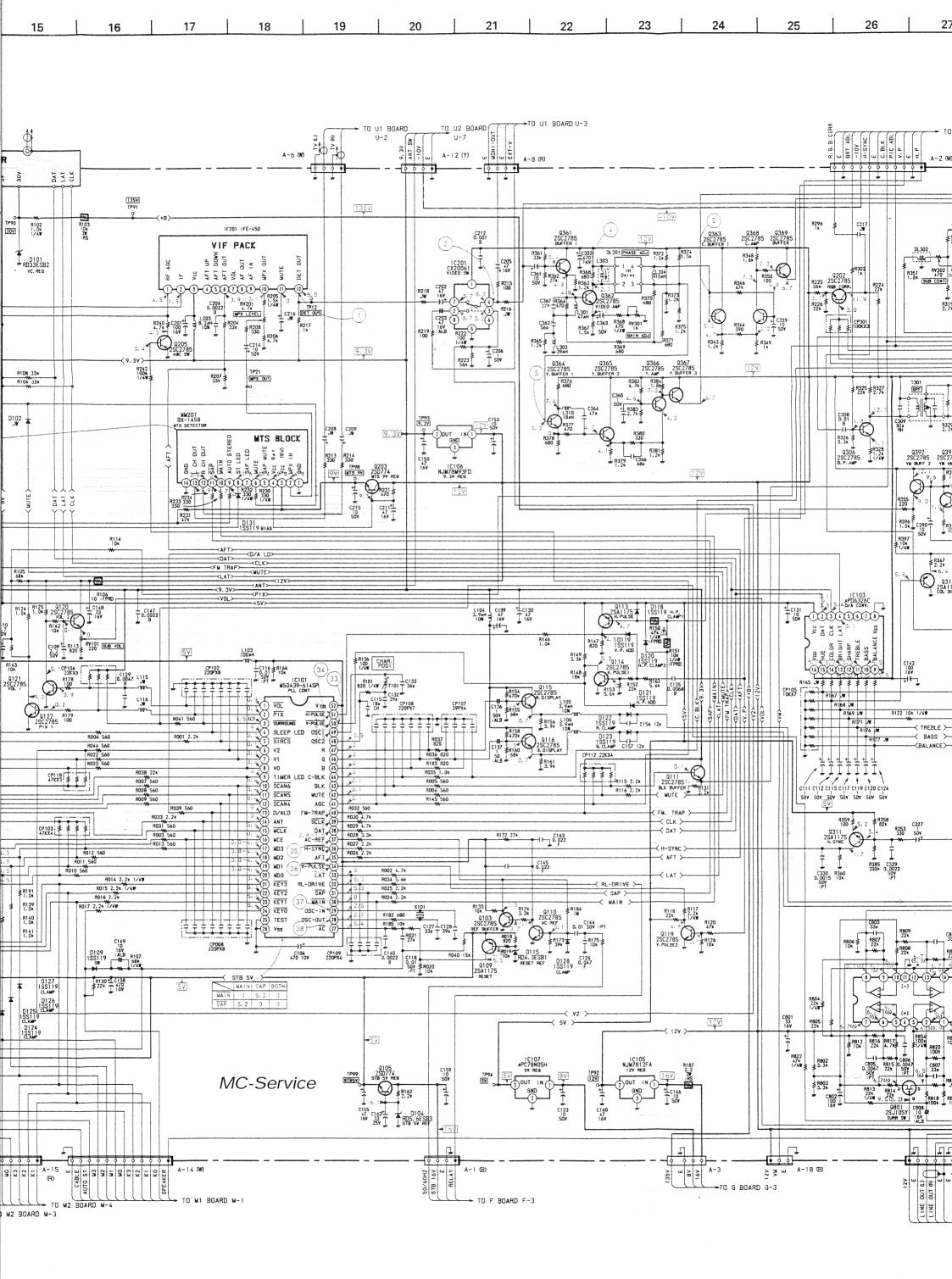


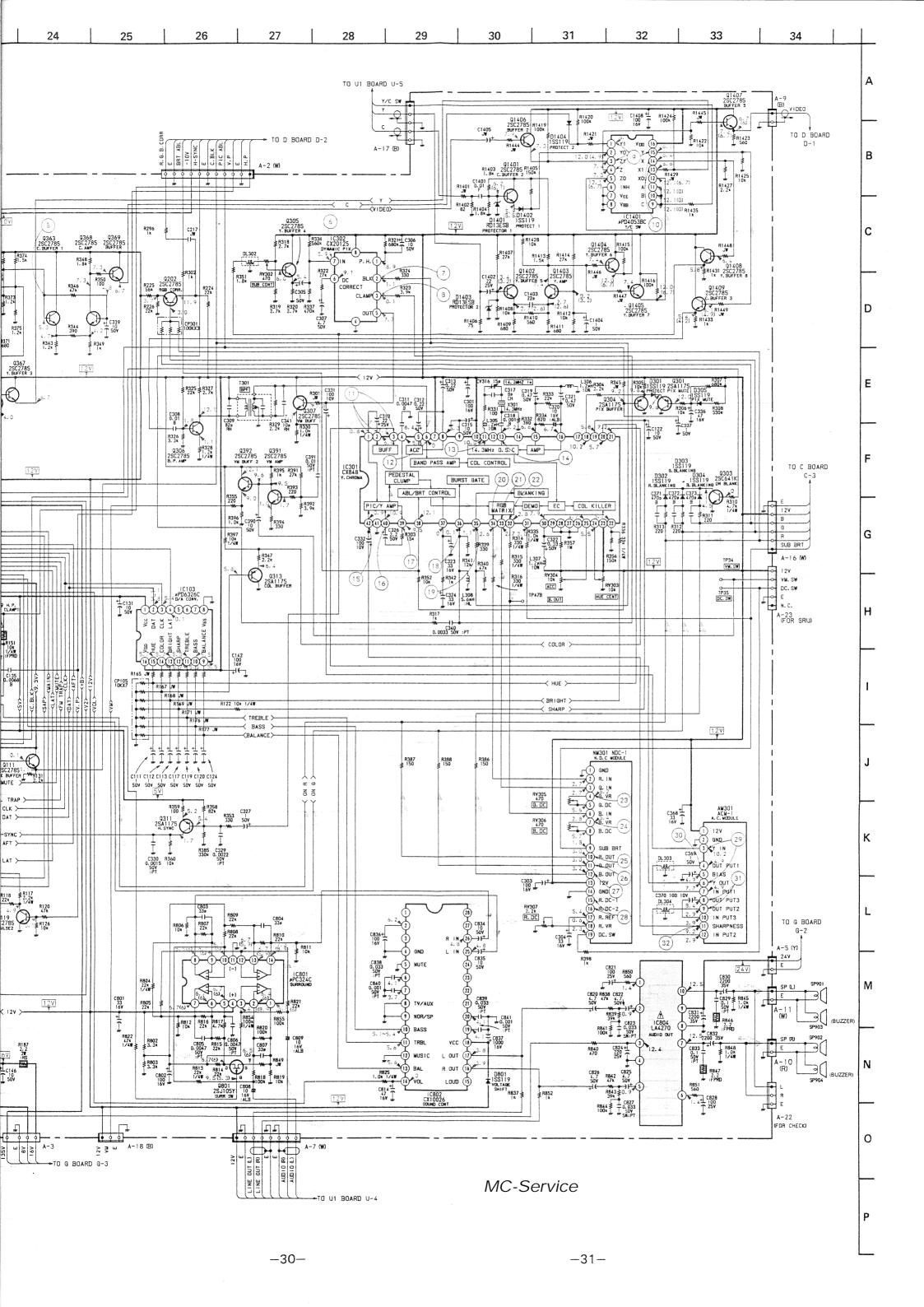
| Α | ВОА | RD | | | |
|---|--|---|---|----------------------------------|---|
| IC101 IC102 IC103 IC105 IC106 IC107 IC201 IC301 IC302 IC801 IC802 | C-4 B-4 A-7 J-7 I-6 G-4 J-6 C-9 G-11 A-13 A-11 | Q363 Q364 Q365 Q366 Q367 Q368 Q369 Q391 Q392 Q801 Q1401 Q1402 Q1403 | F-9 H-10 I-9 I-10 J-9 F-10 G-11 E-11 F-11 B-13 H-12 I-13 J-13 | | H-12 I-12 H-13 H-12 |
| TRANS | D-13 1-12 SISTOR H-3 E-3 | Q1404 Q1405 Q1406 Q1407 Q1408 Q1409 | I-13 I-12 I-12 H-13 I-12 I-11 | | ABLE STOR F-1 J-2 I-9 H-11 C-10 |
| Q103 Q104 Q105 Q108 Q109 Q110 Q111 | E-4 I-11 B-5 B-6 E-5 E-4 E-4 | D101 D102 D104 D107 D108 | ODE H-5 F-4 F-5 B-6 C-6 | RV304 RV305 RV306 RV307 | C-9 E-8 E-9 E-10 |
| Q113 Q114 Q115 Q116 Q117 Q118 Q119 Q120 | D-6 D-5 E-2 E-2 L-2 B-2 E-5 F-1 | D109 D110 D111 D112 D113 D114 D115 D118 | B-5 F-3 B-3 B-3 B-2 A-2 E-4 D-6 | | |
| Q121 Q122 Q202 Q203 Q205 Q301 Q303 Q304 | F-2 E-2 G-7 H-1 G-3 D-8 H-7 D-7 | D119 D120 D121 D122 D123 D124 D125 D126 | D-6 D-6 D-5 F-2 F-3 A-2 B-2 B-2 | | |
| Q305 Q306 Q307 Q311 Q312 Q313 Q314 Q315 Q361 Q362 | G-11 E-10 F-11 F-8 G-7 C-10 I-9 I-9 | D127 D128 D131 D301 D302 D303 D304 D305 D306 D801 | B-1 E-5 H-2 D-7 H-8 H-8 D-7 D-7 B-11 | | ė, |

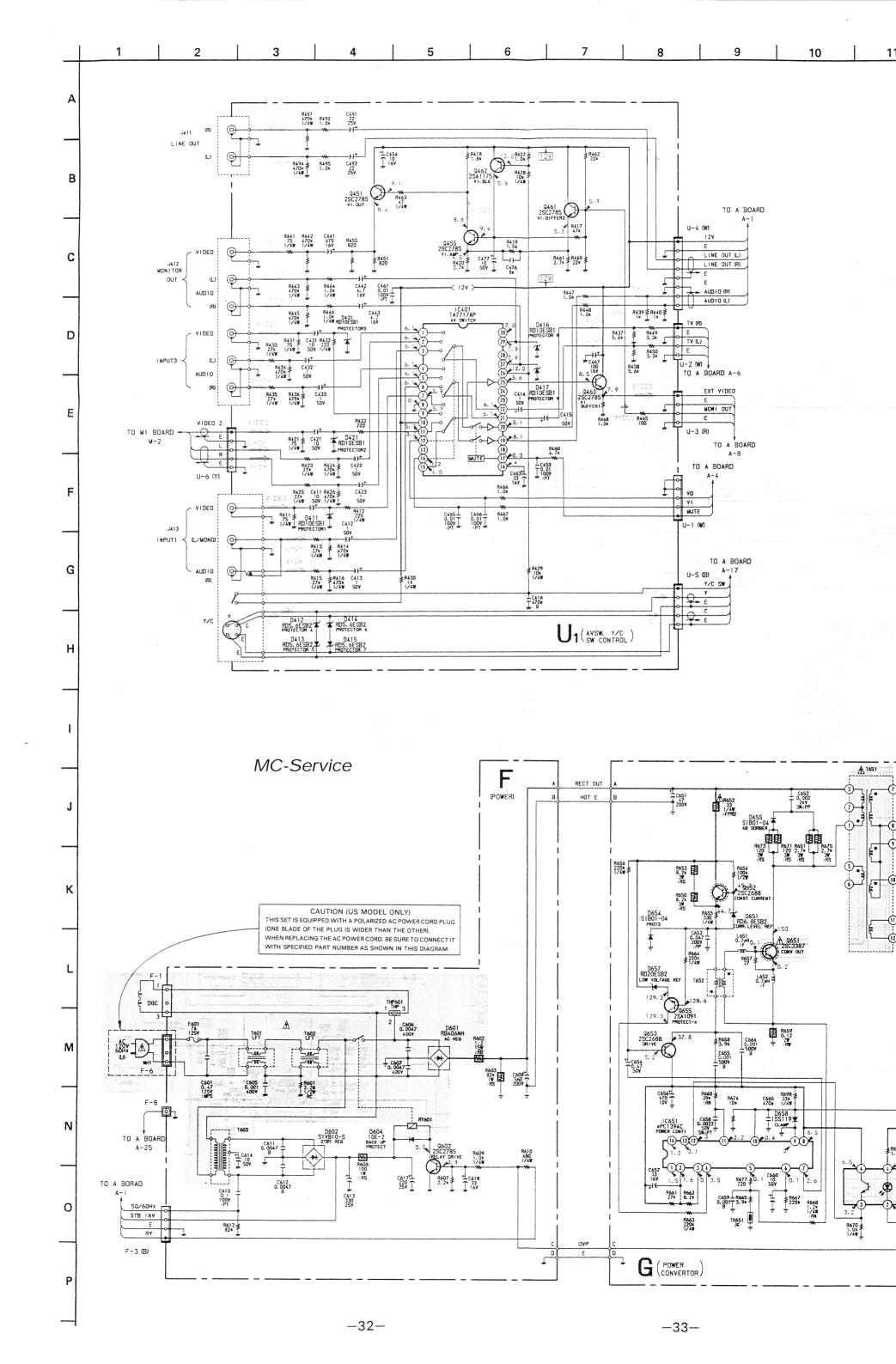
| A BOARD WAY | VEFORM | | | |
|---|-----------------|------------------|------------------|--|
| 1 | 2 | 3 | 4 | (5) |
| - | 1 Part | 400 | -10 | "LET" LET" |
| 2 Vp-p (H) | 2 Vp-p (H) | 0.6Vp-p(H) | 0.6Vp-p(H) | 0.5Vp-p(H) |
| 6 | 7 | 8 | 9 | (0) |
| | | | -11 | The state of the s |
| 1 Vp-p (H) | 3.8Vp-p(H) | 4 Vp-p (H) | 2 Vp-p (H) | 2.4Vp-p(H) |
| 0 | 13 | (3) | 13 | (15) |
| " THE | 45 B + 65 B | | WWV | - 4-1-4-41-41-11 |
| 1 Vp-p (H) | 0.13Vp-p(H) | 0.4Vp-p(14.3MHZ) | 0.3Vp-p(14.3MHZ) | 0.18Vp-p(H) |
| 16 | 0 | 13 | 19 | 29 |
| "Little Little | | | | the the |
| 0.4Vp-p(H) | 0.5Vp-p(H) | 5Vp-p(H) | 3.8Vp-p(H) | 4.5Vp-p(H) |
| 0 | 23 | 23 | 29 | 13 |
| Pin Pin | म्स्यूप म्स्यूप | the the | स्यीप स्यीप | |
| 4.5Vp-p(H) | 4.5Vp-p(H) | 3.3Vp-p(H) | 3.5 Vp-p (H) | 4.5Vp-p(H) |
| 29 | 2 | 28 | 29 | 39 |
| the ter | म्मीय म्यीय | Par tor | Mary Little | |
| 4.5 Vp-p (H) | 4.5Vp-p(H) | 3.4Vp-p(H) | 1 Vp-p (H) | 0.5Vp-p(H) |
| 3) | 32 | 33 | 34 | 3 |
| THE THE THE | | | | 2 |
| 0.25Vp-p(H) | 0.14Vp-p(H) | 5 Vp-p (V) | 5Vp-p(H) | 5Vp-p (H) |
| 39 | 37 | 3 8 | | |
| | WW | VWW | | |
| 5 Vp-p (V) | 3Vp-p(3.92MHZ) | 3.3Vp-p(3.92MHZ) | | |
| | | | | |

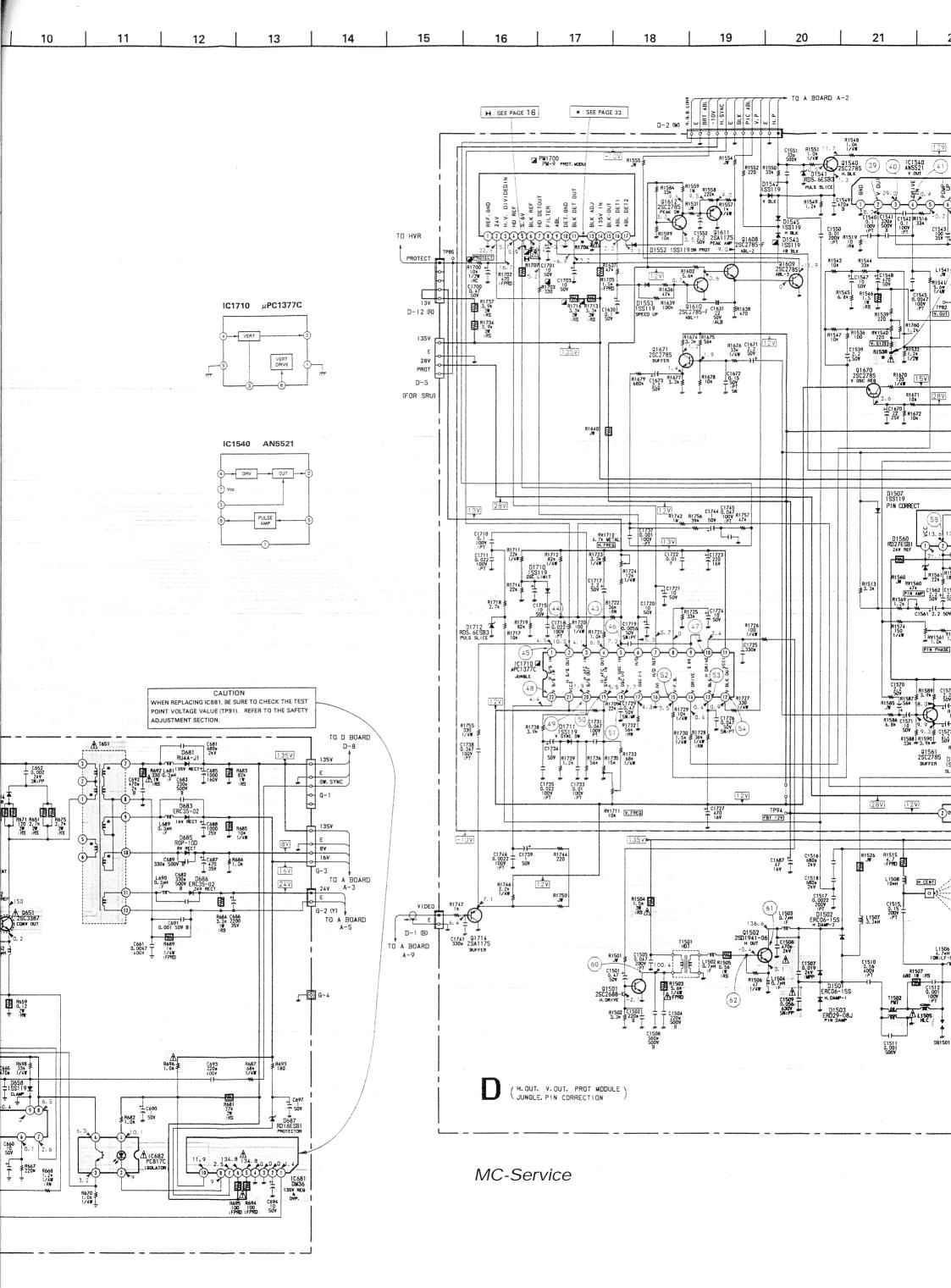


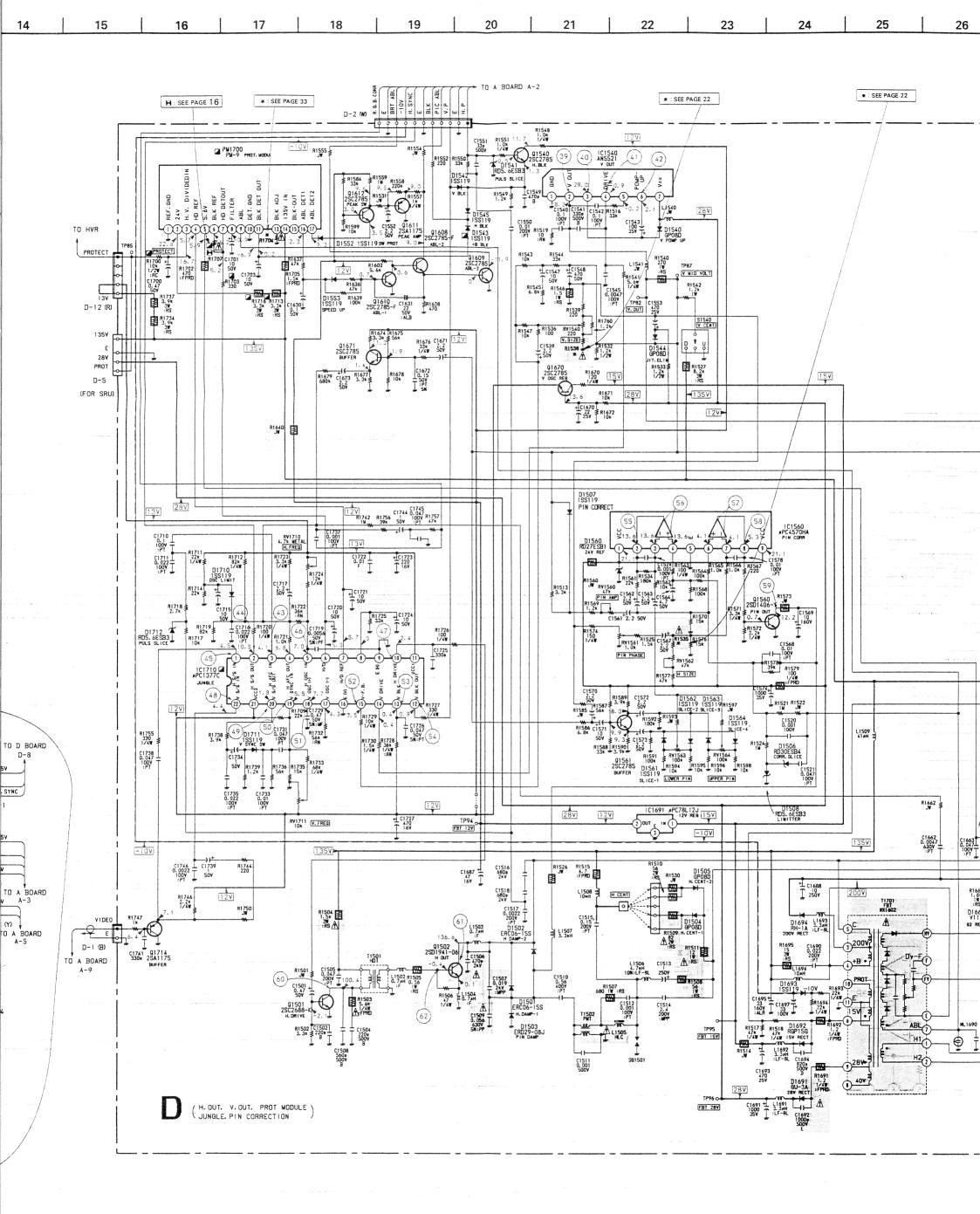




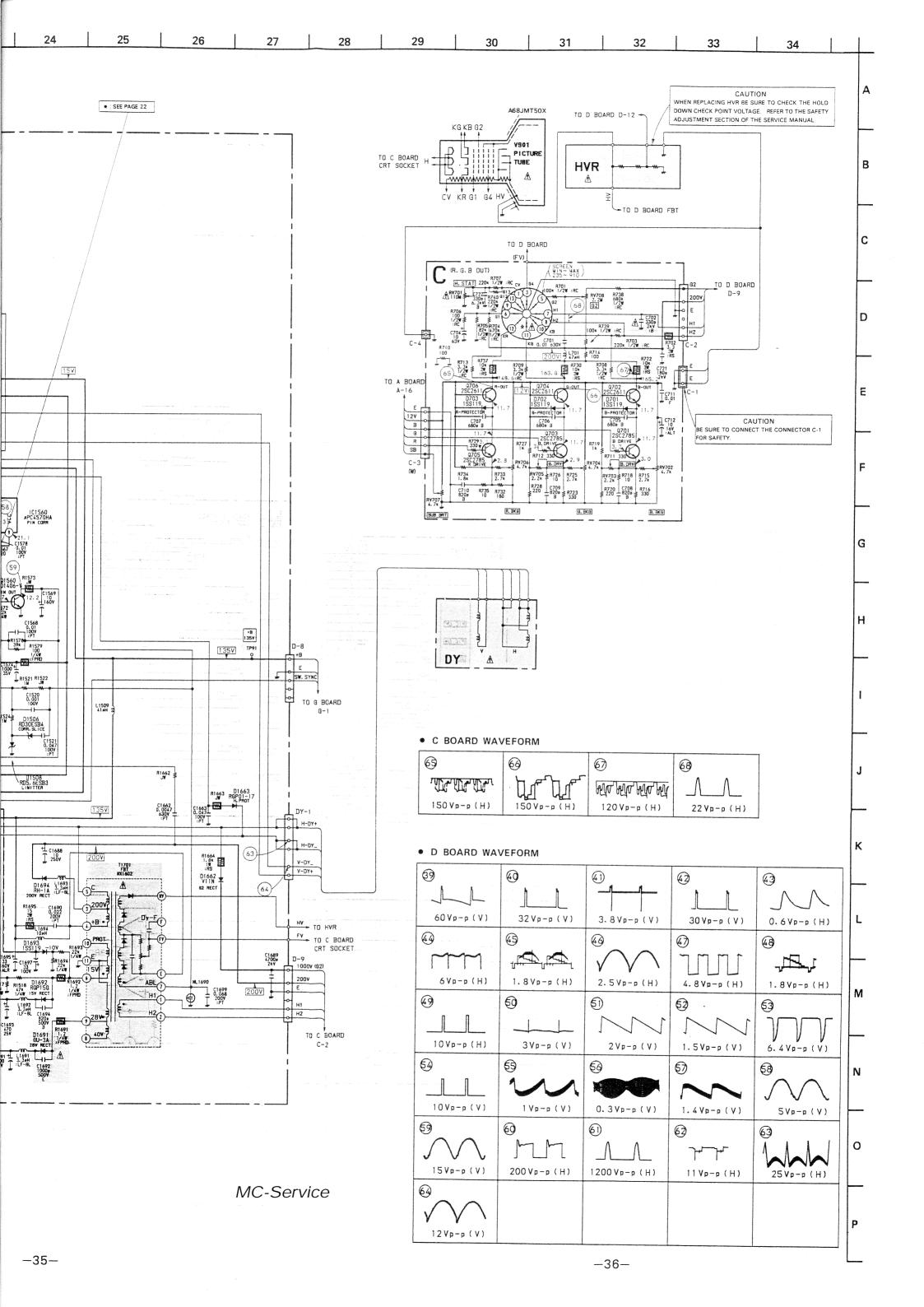


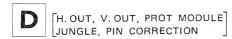


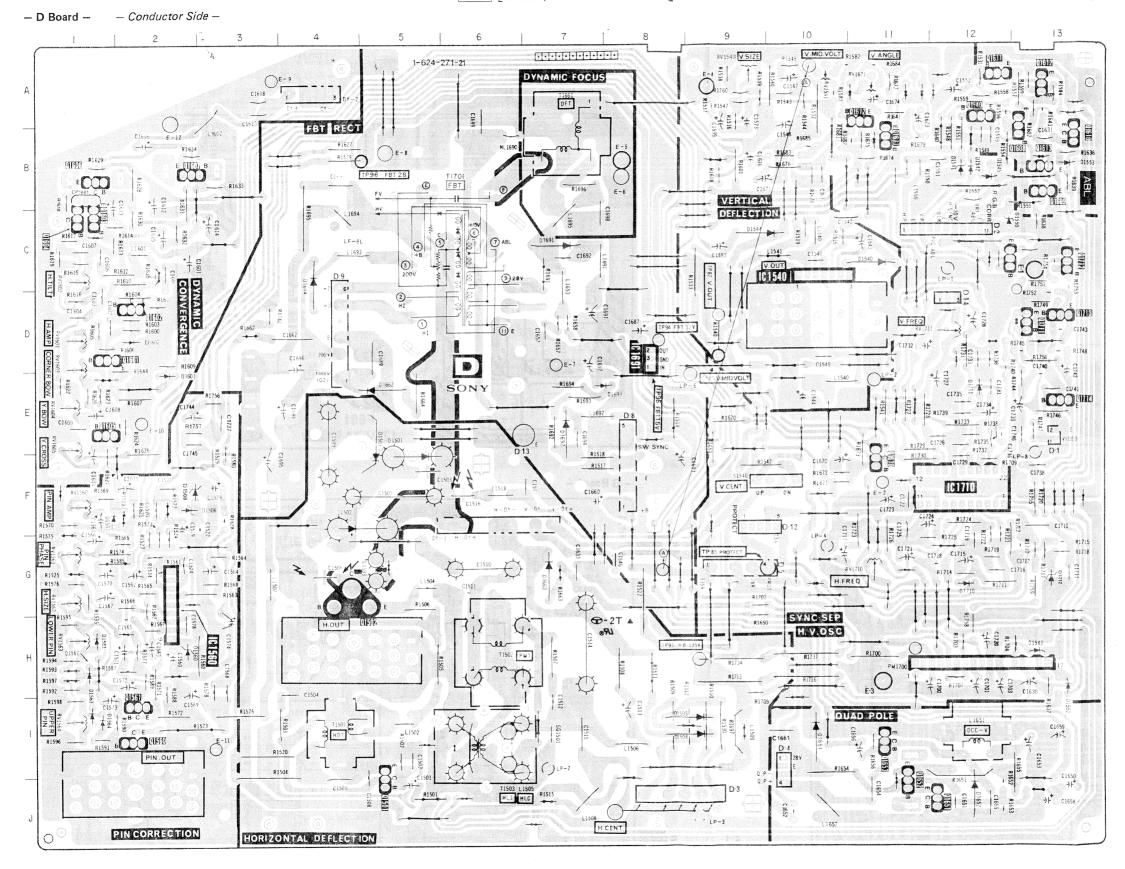




MC-Service







| 1 C | D1542 B-12 D1543 H-13 |
|---|--|
| IC1540 C-10 IC1560 G-2 IC1691 D-8 IC1710 F-12 PM1700 H-12 | D1544 C-10 D1545 B-12 D1550 C-12 D1552 H-13 D1553 B-13 D1560 H-2 D1561 H-1 D1562 H-1 |
| TRANSISTOR | D1563 -1 D1564 -1 |
| Q1501 J-5 Q1502 G-4 Q1540 A-12 Q1560 I-2 Q1561 I-2 Q1601 D-1 Q1602 D-2 Q1603 C-1 Q1604 C-1 Q1605 E-1 Q1606 B-1 Q1607 B-2 Q1608 B-13 Q1609 B-13 Q1610 B-13 Q1611 A-12 | D1601 E-2 D1602 D-2 D1651 I-10 D1652 J-12 D1662 E-5 D1663 G-7 D1691 C-7 D1692 E-7 D1693 E-8 D1694 C-4 D1710 G-12 D1711 E-12 D1712 G-13 |
| Q1612 A-13 Q1613 B-13 Q1651 J-12 | VARIABLE RESISTOR |
| Q1652 J-11 Q1653 I-11 Q1670 F-11 Q1671 B-11 Q1672 A-11 Q1711 D-13 Q1712 C-13 Q1713 D-13 Q1714 E-13 | RV1540 A-9 RV1541 A-10 RV1560 F-1 RV1560 G-1 RV1562 G-1 RV1563 H-1 RV1564 I-1 RV1601 D-1 RV1602 C-1 RV1603 D-1 RV1604 E-1 RV1605 E-1 |
| DIODE | RV1671 A-11 RV1710 G-11 |
| D1501 F-5 D1502 F-4 D1503 F-5 D1504 I-9 D1505 I-9 D1506 F-2 D1507 F-1 D1508 F-2 D1540 C-11 D1541 B-12 | RV1711 D-12 |



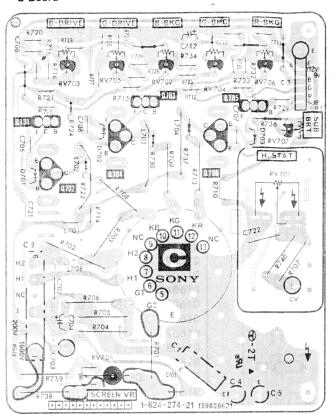




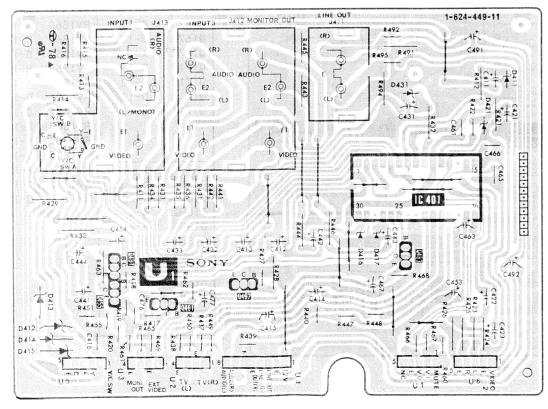




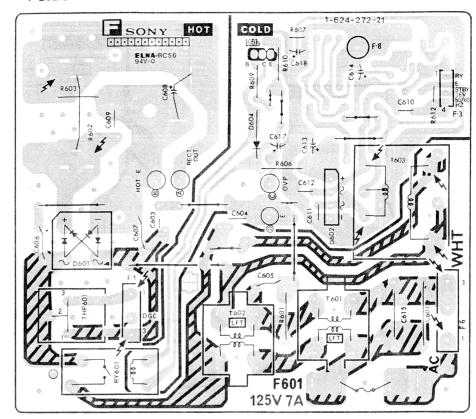
- C Board -



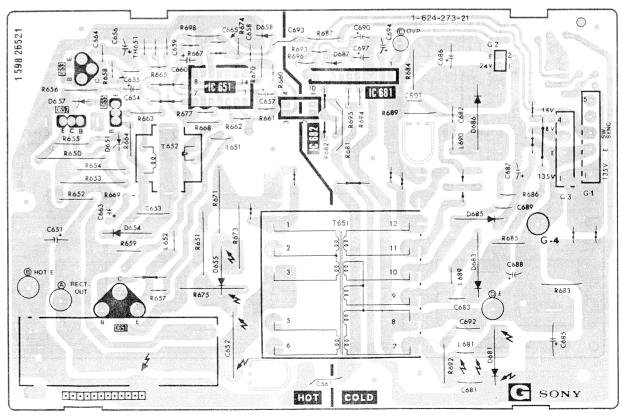
- U1 Board -



- F Board -



- G Board -



6-4. SEMICONDUCTORS





M50439-614SP



NJM7812FA







#PD4053BD #PD6326C

2SA1048 2SA1115 2SA2458 2SC2603

#PC78L12J



2SD1406



2SC3387 2SD1941

2SC2958 2SD774



ERC06-15S ERC24-06S GP08D RH-1A SIB01-02 SIB01-04

CATHODE

2SJ105

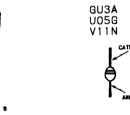




10E-2 ES-1F RD33E-B2 RGP01-17

CATHODE

RGP15G



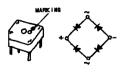
RB406NH



SIVB-10S SIVB-40



S3W60Z



TLR124



BX-1393



BX-1458



CX10026



CX20069 CX20925





COP VIEW



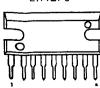


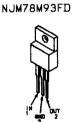


DM-36



LA4270

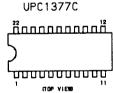




PC817C







UPC1394C UPC324C





2SA1175 2SC2785

2SA1091 2SC1740S 2SC641K





2SA1220A 2SB772 2SC2611 2SC2688 2SC2690A 2SD882



RD4. 3ES-B1 RD5. 6ES-B2 RD5. 6ES-B3 RD6. 8ES-B2

1SS119 1SS133 1SS148 RD10ES-B1 RD13ES-B RD18ES-B1 RD20ES-B2 RD24ES-B3 RD33ES-B4

RD33ES-B4



#PC4570HA

SECTION 7 EXPLODED VIEWS

NOTE:

- NOTE:

 Items with no part number and no description are not stocked because they are seldom required for routine service.

 The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

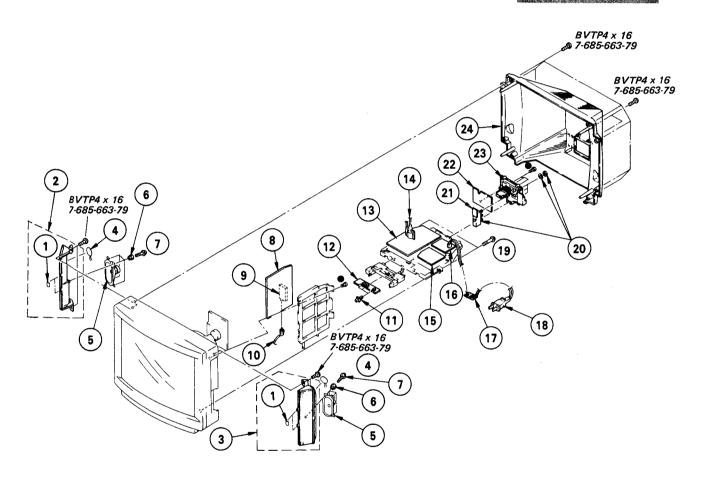
The components identified by shading and mark A are critical for safety.

Replace only with part number: specified.

Les composants identifies par une trame et une marque 🛕 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

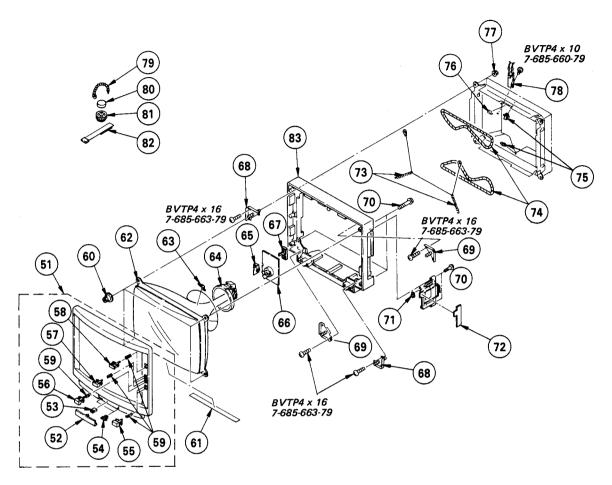
7-1. REAR COVER

●: BVTP3 x 12 7-685-648-79



| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|--------------------------------------|--|---|--------|----------------------------|--|--|--------|
| 1 2 3 4 5 6 7 8 | 1-529-062-11 1-503-914-11 *4-379-189-01 4-379-192-01 | CUSHION (A) PANEL (LEFT) ASSY, SP PANEL (RIGHT) ASSY, SP BUZZER SPEAKER CUSHION, SPEAKER SCREW, TAPPING, STEP A BOARD, COMPLETE | 1 | 15 * 16 * * 17 A. 18 A. 19 | A-1316-076-A A-1245-424-A A-1245-430-A 4-388-328-01 1-559-396-11 4-319-520-11 | TRANSFORMER ASSY, FLYBACK G BOARD, COMPLETE F BOARD, COMPLETE (USA ONLY) F BOARD, COMPLETE (CANADIAN ONLY GROMMET, AC CORD CORD, POWER SCREW, SPECIAL (+PW4X30) SELECTOR, ANTENNA |) |
| 10 11 12 13 | ↑.1-463-771-11 *1-558-745-11 4-383-174-01 *1-624-444-11 | TUNER, ÉT (BTP-201A) CABLE, P-P BUTTON, SWITCH | | 21 * 22 * 23 24 | 1-624-448-11 A-1394-130-A 4-388-330-01 | U2 BOARD U1 BOARD, COMPLETE TERMINAL BOARD, ANTENNA COVER, REAR (US ONLY) | |

7-2. PICTURE TUBE



| No. | Part No. | Description | Remark | No. | Part No. | Description | Remark |
|--|---|---|--------|--|--|--|--------|
| 51 52 53 54 55 56 57 58 60 61 62 63 64 | X-4388-414-1 X-4388-414-2 4-388-414-01 4-386-710-01 3-703-035-11 4-383-187-01 4-383-185-01 4-383-185-01 4-388-327-01 3-571-847-00 4-376-980-01 4-370-595-01 A-8-737-753-05 3-703-961-01 *4-379-167-01 | BEZEL ASSY (FOR MARBLE BLACK) BEZEL ASSY (FOR STONE)(USA ONLY) DOOR, CONTROL CATCHER, PUSH SHAFT, LID BUTTON, SELECTION BUTTON, MINUS BUTTON, POWER SPRING, COMPRESSION NUT, SPECIAL, CRT CLOTH, BLOTTING PICTURE TUBE (A68JMT50X) SPACER, DY DEFLECTION YOKE (SY-158) COVER (MAIN), CV | 52-59 | 67 68 69 70 71 72 73 74 75 76 | *4-379-160-01 *4-379-197-01 *4-376-989-01 4-319-520-11 *1-624-445-11 4-369-318-00 \$\(\bar{A}, \) 1-426-350-21 *4-371-629-01 3-831-441-XX 4-306-034-00 1-452-094-00 1-452-094-00 X-4306-312-0 | COVER (REAR LID), CV BRACKET (H), CRT BRACKET (E), CRT SCREW, SPECIAL (+PW4 X30) M3 BOARD M2 BOARD SPRING, TENSION COIL, DEMAGNETIZATION STOPPER, WIRE CUSHION (A) FLANGE NUT, (B) 5MM RESISTOR ASSY, HIGH-VOLTAGE CLIP, LEAD WIRE MAGNET, DISK; 10MM Ø MAGNET, ROTATABLE DISK; 15MM Ø | Remark |
| 56 | *A-1330-862-A | C BOARD, COMPLETE | | 84 | | CABINET (FOR STONE) (USA ONLY) | |

Les composants identifies par une trame et une marque 允 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark A are critical for safety.
Replace only with part number specified.

SECTION 8 ELECTRICAL PARTS LIST





NOTE:

The components identified by shading and mark 🛕 are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms F : nonflammable

When indicating parts by reference number, please include the board name.

CAPACITORS COILS • MF : μF, PF : μμF • MMH : mH, UH : μH

• The components identified by 📓 in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

| Ref.No. Part No. | Description | | | Remark | Ref.No | . Part No. | Description | | | Remark | |
|--|--|--|--------------------------|--------------------------------------|-------------------------------------|---|--|---------------------------------|--------------------------|------------------------------|--|
| *A-1245-424-A | ****** | **** | | | | REL | AY | | | | |
| *A-1245-430-A | F BOARD, COM | | DIAN ONL | .Υ) | RY601 ₂ | <u>ት</u> 1-515-601-11 | RELAY | | | | |
| CA | PACITOR | | | | | TRA | NSFORMER | | | | |
| C601 | CERAMIC CERAMIC CERAMIC | 0.47MF 0.001MF 0.0047MF 0.0047MF 560MF | 20% 10% 20% 20% | 125V 400V 400V 400V 200V | T602 | 1-421-599-11 1-424-022-11 1-424-022-11 1-424-023-11 1-448-793-11 | TRANSFORMER, TRANSFORMER, | LINE FILTER | (CND O | | |
| C610 1-106-220-00 C611 1-102-125-00 | MYLAR CERAMIC | 0.1MF 0.0047MF | 10% 10% | 100 V 50 V | | THE | RMISTOR | | | | |
| C612 1-102-125-00 C613 1-124-479-11 | CERAMIC ELECT | 0.0047MF 330MF | 10% 20% | 50 V 25 V | THP601, | <u>1</u> ,1-808-081-11 | THERMISTOR, | POSITIVE | | | |
| C614 1-123-875-11 | ELECT | 10MF | 20% | 50 V | ***** | ****** | ***** | ****** | ***** | ***** | |
| C617 1-124-120-11 C618 1-124-963-11 | | 220MF 33MF | 20% 20% | 25 V 16 V | | *A-1296-392-A | A BOARD, COM | | | | |
| 10 | ODE | | | | | CON | NECTOR | | | | |
| D601 A.8-719-300-07 | | Ň | | | i Al | *1-566-056-11 | | OR 4P | | | |
| D602 8-719-511-40 D604 8-719-200-02 | DIODE S1VB40 | | | | A2 A3 A4 | *1-566-063-11 *1-508-766-00 *1-566-057-11 | PIN, CONNECT 4P PLUG (M) PIN, CONNECT | OR 11P | | | |
| rn | NNECTOR | | | | A5 | *1-566-054-11 | PIN, CONNECT | | | | |
| F1 *1-508-765-00 F3 *1-566-056-11 F6 *1-506-348-XX | 3P PLUG (M) PIN, CONNEC | TOR 4P | | | A6 A7 A8 A9 A10 | *1-566-056-11 *1-566-060-11 *1-566-056-11 *1-566-054-11 *1-566-054-11 | PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT | OR 8P OR 4P OR 2P | | | |
| FU | SE | | | | All | *1-566-054-11 | PIN, CONNECT | OR 2P | | | |
| F601 <u>A</u> .1-532-627-11 | Service of the Contraction of th | | v | | A12 A13 A14 A15 | *1-566-056-11 *1-566-060-11 *1-566-064-11 *1-566-058-11 | PIN, CONNECT PIN, CONNECT PIN, CONNECT PIN, CONNECT | OR 8P OR 12P | | | |
| TR | ANSISTOR | | | | A16 | *1-566-058-11 | PIN, CONNECT | | | | |
| Q602 8-729-178-54 | TRANSISTOR | 2SC2785 | | | A17 A18 A22 A23 | *1-566-057-11 *1-566-055-11 *1-560-123-00 *1-560-125-00 | | OR 3P TOR (2.5MM) | | | |
| RE | SISTOR | | | | I ALS | 1-300-123-00 | 100, 0000 | , ron (2:5/11) | 01 | | |
| R601 A.1-202-723-51 R602 A.1-205-900-11 R603 1-216-444-11 R606 1-215-863-11 | WIREWOUND | 1.2 5% 82K 5% | 1/2W 15W 1W 1W | F F F | AM301 NM301 | MOI 1-236-149-11 1-236-150-11 | MODULE, APER MODULE, NEW | RTURE CONTROL | - OR | | |
| R607 1-249-421-11 | | 2.2K 5% | 1/4W | | | | | | | | |
| R609 1-247-713-11 R610 1-247-711-11 | | 1K 5% 680 5% | 1/4W 1/4W | | | | PACITOR | | | T011 | |
| R612 1-249-440-11 | | 82K 5% | 1/4W | | C101 C102 C103 C104 | 1-123-875-11 1-124-908-11 1-124-556-11 1-124-444-00 | ELECT ELECT ELECT ELECT | 10MF 22MF 2200MF 220MF | 20% 20% 20% 20% | 50 V 25 V 16 V 10 V | |



| Ref.No. | Part No. | Description | | | Remark | Ref.No. | Part No. | Description | | | Remark |
|--------------------------------------|--|---|---|---------------------------------|--------------------------------------|--|--|---|---|----------------------------------|---------------------------------|
| C106 C109 C110 C111 C112 | 1-119-160-00 1-124-925-11 1-124-927-11 1-124-499-11 1-124-499-11 | ELECT ELECT ELECT ELECT ELECT | 470MF 2.2MF 4.7MF 1MF 1MF | 20% 20% 20% 20% | 10V 50V 50V 50V 50V | C309 C310 C311 C312 C313 | 1-102-971-00 1-124-908-11 1-102-125-00 1-124-464-11 1-124-464-11 | CERAMIC ELECT CERAMIC ELECT ELECT | 82 PF 22MF 0.0047MF 0.22MF 0.22MF | 5% 20% 10% 20% 20% | 50V 25V 50V 50V 50V |
| C113 | 1-124-499-11 | ELECT | 1MF | 20% | 50 V | C315 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C114 | 1-123-875-11 | ELECT | 10MF | 20% | 50 V | C317 | 1-102-945-00 | CERAMIC | 8PF | 0.5PF | 50V |
| C115 | 1-102-953-00 | CERAMIC | 18PF | 5% | 50 V | C318 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50V |
| C116 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50 V | C319 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C117 | 1-124-499-11 | ELECT | 1MF | 20% | 50 V | C320 | 1-124-284-00 | ELECT | 10MF | 20% | 16V |
| C118 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50 V | C321 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V |
| C119 | 1-124-499-11 | ELECT | 1MF | 20% | 50 V | C322 | 1-124-252-00 | ELECT | 0.33MF | 20% | 50V |
| C120 | 1-124-499-11 | ELECT | 1MF | 20% | 50 V | C323 | 1-124-963-11 | ELECT | 33MF | 20% | 16V |
| C122 | 1-123-875-11 | ELECT | 10MF | 20% | 50 V | C324 | 1-124-963-11 | ELECT | 33MF | 20% | 16V |
| C123 | 1-123-875-11 | ELECT | 10MF | 20% | 50 V | C326 | 1-124-925-11 | ELECT | 2.2MF | 20% | 50V |
| C124 C126 C127 C128 C129 | 1-124-499-11 1-101-006-00 1-102-963-00 1-102-965-00 1-102-125-00 | ELECT CERAMIC CERAMIC CERAMIC CERAMIC | 1MF 0.047MF 33PF 39PF 0.0047MF | 20% 5% 5% 10% | 50 V 50 V 50 V 50 V 50 V | C327 C329 C330 C331 C332 | 1-124-499-11 1-130-475-00 1-130-473-00 1-124-443-00 1-124-443-00 | ELECT MYLAR MYLAR ELECT ELECT | 1MF 0.0022MF 0.0015MF 100MF 100MF | 20% 5% 5% 20% 20% | 50V 50V 50V 10V 10V |
| C130 C131 C132 C133 C135 | 1-124-477-11 1-123-875-11 1-102-965-00 1-102-964-00 1-102-127-00 | ELECT ELECT CERAMIC CERAMIC CERAMIC | 47MF 10MF 39PF 36PF 0.0068MF | 20% 20% 5% 5% 10% | 16 V 50 V 50 V 50 V 50 V | C336 C337 C339 C340 C341 | 1-124-477-11 1-124-499-11 1-123-875-11 1-130-477-00 1-102-858-00 | ELECT ELECT ELECT MYLAR CERAMIC | 47MF 1MF 10MF 0.0033MF 10PF | 20% 20% 20% 5% 0.5PF | 16V 50V 50V 50V |
| C136 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | C361 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C137 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | C362 | 1-101-884-00 | CERAMIC | 56PF | 5% | 50V |
| C138 | 1-124-472-11 | ELECT | 470MF | 20% | 10V | C363 | 1-124-499-11 | ELECT | 1MF | 20% | 50V |
| C139 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | C364 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C140 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V | C365 | 1-124-499-11 | ELECT | 1MF | 20% | 50V |
| C141 C142 C144 C145 C146 | 1-124-925-11 1-126-101-11 1-130-483-00 1-101-005-00 1-123-875-11 | ELECT ELECT MYLAR CERAMIC ELECT | 2.2MF 100MF 0.01MF 0.022MF 10MF | 20% 20% 5% 20% | 50V 16V 50V 50V 50V | C366 C367 C368 C369 C370 | 1-101-888-00 1-102-961-00 1-124-963-11 1-124-499-11 1-124-443-00 | CERAMIC CERAMIC ELECT ELECT ELECT | 68PF 27PF 33MF 1MF 100MF | 5% 5% 20% 20% 20% | 50V 50V 16V 50V 10V |
| C147 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50V | C371 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C148 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | C372 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C149 | 1-124-645-11 | ELECT | 10MF | 20% | 16V | C373 | 1-102-114-00 | CERAMIC | 470PF | 10% | 50V |
| C150 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | C390 | 1-123-875-11 | ELECT | 10MF | 20% | 50V |
| C153 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | C391 | 1-130-483-00 | MYLAR | 0.01MF | 5% | 50V |
| C155 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | C801 | 1-124-963-11 | ELECT | 33MF | 20% | 16V |
| C156 | 1-102-949-00 | CERAMIC | 12PF | 5% | 50V | C802 | 1-126-101-11 | ELECT | 100MF | 20% | 16V |
| C157 | 1-102-949-00 | CERAMIC | 12PF | 5% | 50V | C803 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V |
| C159 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | C804 | 1-102-963-00 | CERAMIC | 33PF | 5% | 50V |
| C160 | 1-124-477-11 | ELECT | 47MF | 20% | 16V | C805 | 1-130-479-00 | MYLAR | 0.0047MF | 5% | 50V |
| C162 C163 C201 C202 C203 | 1-124-482-11 1-101-005-00 1-126-101-11 1-124-477-11 1-124-631-11 | ELECT CERAMIC ELECT ELECT ELECT | 33MF 0.022MF 100MF 47MF 47MF | 20% 20% 20% 20% | 25V 50V 16V 16V 16V | C806 C807 C808 C809 C814 | 1-130-479-00 1-102-963-00 1-124-284-00 1-124-284-00 1-124-477-11 | MYLAR CERAMIC ELECT ELECT ELECT | 0.0047MF 33PF 10MF 10MF 47MF | 5% 5% 20% 20% 20% | 50V 50V 16V 16V 16V |
| C2O4 | 1-102-121-00 | CERAMIC | 0.0022MF | 10% | 50 V | C820 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C2O5 | 1-124-477-11 | ELECT | 47MF | 20% | 16 V | C821 | 1-124-478-11 | ELECT | 100MF | 20% | 25V |
| C2O6 | 1-124-499-11 | ELECT | 1MF | 20% | 50 V | C822 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V |
| C211 | 1-124-477-11 | ELECT | 47MF | 20% | 16 V | C823 | 1-130-489-00 | MYLAR | 0.033MF | 5% | 50V |
| C212 | 1-102-074-00 | CERAMIC | 0.001MF | 10% | 50 V | C824 | 1-124-120-11 | ELECT | 220MF | 20% | 25V |
| C214 C215 C301 C302 C303 | 1-123-875-11 1-123-875-11 1-126-101-11 1-126-103-11 1-126-101-11 | ELECT ELECT ELECT ELECT | 10MF 10MF 100MF 470MF 100MF | 20% 20% 20% 20% 20% | 50V 50V 16V 16V 16V | C825 C826 C827 C828 C829 | 1-124-927-11 1-124-927-11 1-130-489-00 1-124-478-11 1-130-495-00 | ELECT | 4.7MF 4.7MF 0.033MF 100MF 0.1MF | 20% 20% 5% 20% 5% | 50V 50V 50V 25V 50V |
| C304 | 1-124-963-11 | ELECT | 33MF | 20% | 16V | C830 | 1-124-618-11 | MYLAR | 2200MF | 20% | 35 V |
| C305 | 1-124-499-11 | ELECT | 1MF | 20% | 50V | C831 | 1-124-618-11 | | 2200MF | 20% | 35 V |
| C306 | 1-123-875-11 | ELECT | 10MF | 20% | 50V | C832 | 1-124-618-11 | | 2200MF | 20% | 35 V |
| C307 | 1-124-927-11 | ELECT | 4.7MF | 20% | 50V | C833 | 1-130-495-00 | | 0.1MF | 5% | 50 V |
| C308 | 1-102-129-00 | CERAMIC | 0.01MF | 10% | 50V | C834 | 1-123-875-11 | | 10MF | 20% | 50 V |



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark are critical for safety.

Replace only with part number specified.

| Ref.No. | Part No. | Description | | | Remark | Ref.No. | Part No. | Description | | Remark |
|--------------------------------------|--|--|---|-------------------------------|--------------------------------------|---|--|--|---|--------|
| C835 C836 C837 C838 C839 | 1-123-875-11 1-126-101-11 1-124-360-00 1-130-489-00 1-130-489-00 | ELECT ELECT ELECT MYLAR MYLAR | 10MF 100MF 1000MF 0.033MF 0.033MF | 20% 20% 20% 5% 5% | 50 V 16 V 16 V 50 V 50 V | IC102 | | IC M50439-614S IC CXK1004L IC UPD6326C | Р | |
| C841 C1401 | 1-130-471-00 1-130-471-00 1-101-004-00 | MYLAR MYLAR CERAMIC | 0.001MF 0.001MF 0.01MF | 5% 5% | 50 V 50 V 50 V | IC106 | 8-759-701-79 8-759-710-04 | IC NJM7812FA IC NJM78M93FD | | |
| C1403 | 1-124-908-11 1-102-959-00 | ELECT CERAMIC | 22MF 22PF | 20% 5% | 25V 50V | IC301 | 8-758-480-00 | IC UPC78N05H IC CX20061 IC CX848 | | |
| | 1-124-499-11 1-126-101-11 | | 1MF 100MF | 20 % 20 % | 50V 16V | IC801 | 8-759-132-40 | | | |
| | COM | POSITION CIRC | UIT BLOCK | | | | .8-759-803-29 | IC CX10026 IC LA4270 HEAD, WASHER, | TAPPING SCREW: | 10804 |
| | 1-235-823-11 1-235-823-11 | | | | | | 8-759-140-53 | IC UPD4053BC IC BX1458 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | TRI | MMER | | | | | <u>IF</u> | BLOCK | | |
| CV316 | 1-141-147-XX | CAP, TRIMMER | | | | IF201 | 1-464-755-11 | IF BLOCK (IFE- | 450) | |
| | <u>D10</u> | <u>DE</u> | | | | | COI | <u>L</u> | | |
| D101 D104 D107 D108 D109 | 8-719-110-78 8-719-109-90 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE RD33ES DIODE RD5.6E DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 | S-B3 | | | L103 L104 L105 L106 L203 | 1-410-482-31 1-410-465-41 1-410-465-41 1-410-465-41 1-410-469-41 | INDUCTOR INDUCTOR INDUCTOR INDUCTOR INDUCTOR | 100UH 3.9UH 3.9UH 3.9UH 8.2UH | |
| D111 D112 | 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 | | | | L301 L302 | 1-410-478-11 1-410-477-21 | INDUCTOR INDUCTOR | 47UH 39UH | |
| D113 D114 D115 | 8-719-911-19 8-719-911-19 8-719-109-74 | DIODE 1SS119 DIODE 1SS119 DIODE RD4.3E | | | | L303 L304 L305 | 1-404-540-11 1-408-411-00 1-410-459-11 | COIL INDUCTOR INDUCTOR | 15UH 1.2UH | |
| D118 D119 D120 D121 D122 | 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 | | | | L306 L307 L308 L310 | 1-410-459-11 1-410-459-11 1-410-068-11 1-410-473-11 | INDUCTOR INDUCTOR INDUCTOR INDUCTOR | 1.2UH 1.2UH 5.6MMH 18UH | |
| D123 D124 | 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 | | | | ! | TRA | NSISTOR | | |
| D125 D126 D127 | 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 | | | | Q101 Q103 Q105 Q108 | 8-729-178-54 8-729-177-43 8-729-178-54 | TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC | :2785 :774 :2785 | |
| D128 D131 D301 D302 | 8-719-911-19 8-719-911-19 8-719-911-19 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 |)) | | | Q109 Q110 Q111 | 8-729-117-54 8-729-178-54 8-729-178-54 | TRANSISTOR 2SA TRANSISTOR 2SC TRANSISTOR 2SC | 2785 | |
| D303 | 8-719-911-19 | DIODE 1SS119 |) | | | Q113 Q114 | 8-729-117-54 8-729-178-54 | TRANSISTOR 2SA TRANSISTOR 2SC | 1175 22785 | |
| | 8-719-911-19 8-719-911-19 8-719-911-19 8-719-110-34 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE RD13ES DIODE 1SS119 |)) 5-B | | | Q115 Q116 Q117 Q118 | 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 | TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC | 2785 2785 | |
| D1403 | 8-719-110-34 8-719-911-19 | DIODE RD13ES DIODE 1SS119 | S~B | | | Q119 Q120 | 8-729-178-54 8-729-178-54 | TRANSISTOR 250 TRANSISTOR 250 | 2785 | |
| | DEL | AY LINE | | | | Q121 Q122 Q202 Q203 | 8-729-178-54 8-729-178-54 8-729-178-54 8-729-177-43 | TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC TRANSISTOR 2SC | 22785 22785 2774 | |
| DL 302 DL 303 | 1-415-478-11 1-415-398-11 1-415-509-11 1-415-509-11 | DELAY LINE, DELAY LINE DELAY LINE | Υ | | | Q205 Q301 Q303 Q304 Q305 | 8-729-178-54 8-729-117-54 8-729-364-12 8-729-117-54 8-729-178-54 | TRANSISTOR 2S/ TRANSISTOR 2S/ TRANSISTOR 2S/ TRANSISTOR 2S/ TRANSISTOR 2S/ | A1175 C641K A1175 | |

The components identified by shading and mark $ilde{\Delta}$ are critical for safety. Replace only with part number

specified.

Les composants identifies par une trame et une marque A sont critique sont critiques pour la securite.
Ne les remplacer que par une
piece portant le numero specifie.

| Ref.No. | Part No. | Description | | | | Remark | Ref.No. | Part No. | Description | | | | Remark |
|--|--|--|-------------------------------|----------------------|------------------------------|--------|--|--|---|-----------------------------------|----------------------------|--------------------------------------|--------|
| Q306 Q307 Q311 Q313 Q361 | 8-729-178-54 8-729-178-54 8-729-117-54 8-729-117-54 8-729-178-54 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | 2SC2785 2SA1175 2SA1175 | | | | R038 R039 R040 R041 R044 | 1-249-433-11 1-249-414-11 1-249-431-11 1-249-414-11 1-249-414-11 | CARBON CARBON CARBON CARBON CARBON | 22K 560 15K 560 560 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| Q362 Q363 Q364 Q365 Q366 | 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | 2SC2785 2SC2785 2SC2785 | | | | R101 R102 R103 R104 R105 | 1-247-722-11 1-247-713-11 1-215-923-00 1-249-435-11 1-249-439-11 | CARBON CARBON METAL OXIDE CARBON CARBON | 5.6K 1K 10K 33K 68K | 5% 5% 5% 5% 5% | 1/4W 1/4W 3W 1/4W 1/4W | F |
| Q367 Q368 Q369 Q391 Q392 | 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | 2SC2785 2SC2785 2SC2785 | | | | R106 R107 R108 R113 R114 | 1-249-393-11 1-249-467-11 1-249-435-11 1-249-416-11 1-249-429-11 | CARBON CARBON CARBON CARBON CARBON | 10 68K 33K 820 10K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | F |
| Q801 Q1401 Q1402 Q1403 Q1404 | 8-729-207-35 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | 2SC2785 2SC2785 2SC2785 | | | | R115 R116 R117 R118 R119 | 1-249-421-11 1-249-421-11 1-247-717-11 1-249-433-11 1-249-417-11 | CARBON CARBON CARBON CARBON CARBON | 2.2K 2.2K 2.2K 22K 1K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| Q1406 Q1407 Q1408 | 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 8-729-178-54 | TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR | 2SC2785 2SC2785 2SC2785 | | | | R120 R121 R122 R123 R124 | 1-249-437-11 1-249-434-11 1-247-725-11 1-247-705-11 1-249-417-11 | CARBON CARBON CARBON CARBON CARBON | 47K 27K 10K 270 1K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | RES | ISTOR | | | | | R125 | 1-249-417-11 1-249-429-11 | CARBON CARBON | 1K 10K | 5% 5% | 1/4W 1/4W | ı |
| R001 | 1-249-421-11 | CARBON | 2.2K | 5% 5% | 1/4W | | R127 R128 R130 | 1-249-417-11 1-247-713-11 1-249-433-11 | CARBON CARBON CARBON | 1K 1K 22K | 5% 5% 5% | 1/4W 1/4W 1/4W | |
| R002 R003 R004 R005 | 1-249-425-11 1-249-414-11 1-249-414-11 1-249-414-11 | CARBON CARBON CARBON CARBON | 4.7K 560 560 560 | 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W | | R131 R133 R136 | 1-249-421-11 1-249-429-11 1-247-700-11 | CARBON CARBON CARBON | 2.2K 10K 100 | 5% 5% 5% | 1/4W 1/4W 1/4W | |
| R006 R007 | 1-249-414-11 1-249-414-11 | CARBON CARBON | 560 560 | 5% 5% | 1/4W 1/4W | | R137 R139 | 1-249-437-11 1-249-417-11 | CARBON CARBON | 47K 1K | 5% 5% | 1/4W 1/4W | |
| R008 R009 R010 | 1-249-414-11 1-249-414-11 1-249-414-11 | CARBON CARBON CARBON | 560 560 560 | 5% 5% 5% | 1/4W 1/4W 1/4W | | R140 R141 R142 | 1-249-417-11 1-249-417-11 1-249-429-11 | CARBON CARBON CARBON | 1K 1K 10K | 5% 5% 5% | 1/4W 1/4W 1/4W | |
| R011 R012 | 1-249-414-11 1-249-414-11 | CARBON CARBON | 560 560 | 5% 5% | 1/4W 1/4W | | R143 R145 | 1-249-429-11 1-249-414-11 | CARBON CARBON | 10K 560 | 5% 5% | 1/4W 1/4W | |
| R013 R014 R015 | 1-249-414-11 1-247-717-11 1-247-717-11 | CARBON CARBON CARBON | 560 2.2K 2.2K | 5% 5% 5% | 1/4W 1/4W 1/4W | | R146 R147 R148 | 1-249-417-11 1-249-416-11 1-249-432-11 | CARBON CARBON CARBON | 1K 820 18K | 5% 5% 5% | 1/4W 1/4W 1/4W | |
| R016 R017 R018 | 1-249-421-11 1-247-717-11 1-249-416-11 | CARBON CARBON CARBON | 2.2K 2.2K 820 | 5% 5% 5% | 1/4W 1/4W 1/4W | | R149 R150 A | 1-249-423-11 1-249-465-91 | CARBON CARBON | 3.3K 47K | 5% 5% | 1/4W 1/4W | F |
| R019 R020 | 1-249-429-11 1-249-429-11 | CARBON CARBON | 10K 10K | 5% 5% | 1/4W 1/4W | | R151 <u>A</u> R152 R153 | 1-247-725-81 1-249-433-11 1-249-426-11 | CARBON CARBON CARBON | 10k 22K 5.6K | 5% 5% 5% | 1/4W 1/4W 1/4W | F |
| R021 R022 | 1-249-434-11 1-249-414-11 1-249-414-11 | CARBON CARBON CARBON | 27K 560 560 | 5% 5% 5% | 1/4W 1/4W 1/4W | | R154 R155 | 1-247-895-00 1-249-439-11 | CARBON CARBON | 470K 68K | 5% 5% | 1/4W 1/4W | |
| R023 R024 R025 | 1-249-421-11 1-249-421-11 1-249-421-11 | CARBON CARBON | 2.2K 2.2K | 5% | 1/4W 1/4W | | R156 R158 R160 | 1-249-424-11 1-247-895-00 1-249-439-11 | CARBON CARBON CARBON | 3.9K 470K 68K | 5% 5% 5% | 1/4W 1/4W 1/4W | |
| R026 R027 | 1-249-421-11 1-249-421-11 | | 2.2K 2.2K | 5 % | 1/4W 1/4W | | R161 R162 | 1-249-424-11 1-249-421-11 | CARBON CARBON | 3.9K 2.2K | 5% | 1/4W 1/4W | |
| R028 R029 R030 | 1-249-423-11 1-249-425-11 1-249-425-11 | CARBON | 3.3K 4.7K 4.7K | 5% 5% 5% | 1/4W 1/4W 1/4W | | R163 R166 R172 | 1-249-426-11 1-249-429-11 1-249-434-11 | CARBON CARBON CARBON | 5.6K 10K 27K | 5% 5% 5% | 1/4W 1/4W 1/4W | |
| R031 R032 | 1-249-414-11 1-249-414-11 | CARBON | 560 560 | 5% 5% | 1/4W 1/4W | | R172 R173 R174 | 1-249-436-11 1-249-423-11 | | 39K 3.3K | 5% | 1/4W 1/4W | |
| R033 R034 R035 | 1-249-421-11 1-249-426-11 1-249-417-11 | CARBON | 2.2K 5.6K 1K | | 1/4W 1/4W 1/4W | | R175 R178 | 1-249-429-11 1-249-405-11 1-249-405-11 | CARBON | 10K 100 100 | 5% 5% 5% | 1/4W 1/4W 1/4W | |
| R036 R037 | 1-249-416-11 1-249-416-11 | | 820 820 | 5% 5% | 1/4W 1/4W | | R179 R180 R181 | 1-249-403-11 1-249-433-11 1-247-712-11 | CARBON | 22K 820 | 5% 5% | 1/4W 1/4W | |



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|---|--------------------------------------|--|---|------------------------------------|----------------------------|--------------------------------------|--------|--|--|--|-------------------------------------|----------------------------|--------------------------------------|--------|
| | Ref.No. | Part No. | Description | | | | Remark | Ref.No. | Part No. | Description | | | | Remark |
| | R182 R183 R184 R185 R186 | 1-249-415-11 1-249-416-11 1-215-493-00 1-249-429-11 1-249-429-11 | CARBON CARBON CARBON CARBON CARBON | 680 820 1M 10K 10K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R337 R338 R339 R340 R341 | 1-247-895-00 1-215-487-00 1-249-411-11 1-249-437-11 1-249-430-11 | CARBON CARBON CARBON CARBON CARBON | 470K 560K 330 47K 12K | 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R187 R191 R204 R205 R206 | 1-216-393-00 1-249-417-11 1-249-435-11 1-247-715-11 1-249-425-11 | METAL OXIDE CARBON CARBON CARBON CARBON | 2.2 1K 33K 1.5K 4.7K | 5% 5% 5% 5% 5% | 3W 1/4W 1/4W 1/4W 1/4W | F | R342 R343 R344 R346 R347 | 1-249-417-11 1-249-418-11 1-249-412-11 1-249-437-11 1-249-421-11 | CARBON CARBON CARBON CARBON CARBON | 1K 1.2K 390 47K 2.2K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R207 R208 R213 R214 R215 | 1-249-435-11 1-249-411-11 1-249-411-11 1-249-411-11 1-249-405-11 | CARBON CARBON CARBON CARBON CARBON | 33K 330 330 330 100 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R348 R349 R350 R351 R352 | 1-249-420-11 1-249-417-11 1-249-405-11 1-249-420-11 1-249-429-11 | CARBON CARBON CARBON CARBON CARBON | 1.8K 1K 100 1.8K 10K | 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R217 R219 R221 R222 R223 | 1-249-417-11 1-249-405-11 1-249-413-11 1-247-700-11 1-249-438-11 | CARBON CARBON CARBON CARBON CARBON | 1K 100 470 100 56K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R353 R355 R356 R357 R358 | 1-249-411-11 1-249-409-11 1-247-883-00 1-215-493-00 1-249-440-11 | CARBON CARBON CARBON CARBON CARBON | 330 220 150K 1M 82K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R224 R225 R226 R230 R231 | 1-249-433-11 1-249-438-11 1-249-433-11 1-247-706-11 1-249-437-11 | CARBON CARBON CARBON CARBON CARBON | 22K 56K 22K 330 47K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | i | R359 R360 R361 R362 R363 | 1-249-405-11 1-249-429-11 1-249-435-11 1-249-434-11 1-249-418-11 | CARBON CARBON CARBON CARBON CARBON | 100 10K 33K 27K 1.2K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R232 R233 R234 R240 R242 | 1-247-706-11 1-249-411-11 1-249-411-11 1-249-425-11 1-249-469-11 | CARBON CARBON CARBON CARBON CARBON | 330 330 330 4.7K 100K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R364 R365 R366 R367 R368 | 1-249-413-11 1-249-418-11 1-249-415-11 1-249-419-11 1-247-708-11 | CARBON CARBON CARBON CARBON CARBON | 470 1.2K 680 1.5K 470 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R296 R302 R303 R304 R305 | 1-249-417-11 1-249-417-11 1-249-431-11 1-249-421-11 1-249-429-11 | CARBON CARBON CARBON CARBON CARBON | 1K 1K 15K 2.2K 10K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R369 R370 R371 R372 R373 | 1-249-415-11 1-249-415-11 1-249-415-11 1-249-419-11 1-249-418-11 | CARBON CARBON CARBON CARBON CARBON | 680 680 680 1.5K 1.2K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R306 R307 R308 R310 R311 | 1-249-429-11 1-215-489-00 1-247-891-00 1-247-721-11 1-249-409-11 | CARBON CARBON CARBON CARBON CARBON | 10K 680K 330K 4.7K 220 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R374 R375 R376 R377 R378 | 1-249-419-11 1-249-418-11 1-249-415-11 1-249-413-11 1-249-415-11 | CARBON CARBON CARBON CARBON CARBON | 1.5K 1.2K 680 470 680 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R312 R313 R314 R315 R316 | 1-249-409-11 1-249-409-11 1-247-706-11 1-247-706-11 1-247-706-11 | CARBON CARBON CARBON CARBON CARBON | 220 220 330 330 330 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R379 R380 R381 R382 R383 | 1-249-418-11 1-249-411-11 1-249-418-11 1-249-425-11 1-249-422-11 | CARBON CARBON CARBON CARBON CARBON | 1.2K 330 1.2K 4.7K 2.7K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R317 R318 R319 R320 R321 | 1-249-417-11 1-249-422-11 1-249-422-11 1-249-422-11 1-215-489-00 | CARBON CARBON CARBON CARBON CARBON | 1K 2.7K 2.7K 2.7K 680K | 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R384 R385 R386 R387 R388 | 1-249-420-11 1-247-891-00 1-249-407-11 1-249-407-11 1-249-407-11 | CARBON CARBON CARBON CARBON CARBON | 1.8K 330K 150 150 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R322 R323 R324 R325 R326 | 1-249-434-11 1-249-424-11 1-249-411-11 1-249-433-11 1-249-423-11 | CARBON CARBON CARBON CARBON CARBON | 27K 3.9K 330 22K 3.3K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R391 R392 R393 R394 R395 | 1-249-434-11 1-249-424-11 1-249-409-11 1-249-411-11 1-249-417-11 | CARBON CARBON CARBON CARBON CARBON | 27K 3.9K 220 330 1K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R327 R328 R329 R330 R331 | 1-249-422-11 1-247-714-11 1-249-421-11 1-247-713-11 1-249-405-11 | CARBON CARBON CARBON CARBON CARBON | 2.7K 1.2K 2.2K 1K 100 | 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R396 R397 R398 R802 R803 | 1-249-417-11 1-247-725-11 1-249-417-11 1-249-423-11 1-249-423-11 | CARBON CARBON CARBON CARBON CARBON | 1K 1OK 1K 3.3K 3.3K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| | R332 R333 R334 R335 R336 | 1-249-412-11 1-249-433-11 1-249-416-11 1-247-713-11 1-247-726-11 | CARBON CARBON CARBON CARBON CARBON | 390 22K 820 1K 33K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R804 R805 R806 R807 R808 | 1-249-462-11 1-249-433-11 1-249-429-11 1-249-433-11 1-249-433-11 | CARBON CARBON CARBON CARBON CARBON | 22K 22K 10K 22K 22K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |



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| 1-29-433-11 CARDON 22K 54 1/44 2930 1-238-015-11 EST, 201, CARDON 10K 19810 1-294-429-11 CARDON 10K 55 1/44 RT 255 1-238-013-11 EST, 201, CARDON 10K 19810 1-294-429-11 CARDON 10K 55 1/44 RT 255 1-238-013-11 EST, 201, CARDON 10K 19810 1-294-429-11 CARDON 10K 55 1/44 RT 255 1-238-013-11 EST, 201, CARDON 10K 19810 1-294-439-11 CARDON 22K 55 1/44 RT 255 1-238-013-11 EST, 201, CARDON 10K 19810 1-294-239-11 CARDON 22K 55 1/44 RT 255 1-238-013-11 EST, 201, CARDON 10K 19810 1-294-239-11 CARDON 10K 55 1/44 RT 256 1-239-013-11 EST, 201, CARDON 10K 19810 1-294-241-11 CARDON 10K 55 1/44 RT 256 1-239-013-11 EST, 201, CARDON 10K 19810 1-294-241-11 CARDON 10K 55 1/44 RT 256 1-239-013-11 EST, 201, CARDON 10K 19810 1-238-11 COLUMN 10K 19810 1-239-11 CARDON 10K 10K 10 | Ref.No. Part No. | Description | | | | Remark | Ref.No. | Part No. | Description | Remark |
|--|--|------------------------------|----------------------|----------------|----------------------|--------|-----------------------------|--|--|--------|
| RBIS 1-249-433-11 CARBON 22K St 1/4W | R810 1-249-433-11 R811 1-249-429-11 R812 1-249-429-11 | CARBON CARBON CARBON | 22K 10K 10K | 5% 5% 5% | 1/4W 1/4W 1/4W | | RV 304 RV 305 RV 306 | 1-238-016-11 1-238-011-11 1-238-011-11 | RES, ADJ, CARBON 10K RES, ADJ, CARBON 470 RES, ADJ, CARBON 470 | |
| 1.249-425-11 | R815 1-249-433-11 | CARBON | 22K | 5% | 1/4W | | | TRA | NSFORMER | |
| 1-29-44 -11 CARBON 20% 5% 1/4N X101 1-557-192-11 OSCILLATOR, CERGATIC REZ 1-247-465-11 CARBON 20% 5% 1/4N X101 1-527-722-00 OSCILLATOR, CERGATIC REZ 1-247-1713-11 CARBON 1K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CERGATIC REZ 1-247-404-171 CARBON 1K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CERGATIC REZ 1-247-404-171 CARBON 47K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CRESTAL REZ 1-247-404-171 CARBON 47K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CRESTAL REZ 1-247-404-171 CARBON 47K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CRESTAL REZ 1-247-404-171 CARBON 47K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CRESTAL REZ 1-247-404-171 CARBON 47K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CRESTAL REZ 1-247-404-171 CARBON 47K 5% 1/4N X301 1-527-722-00 OSCILLATOR, CRESTAL X301 1-527-500-11 | R817 1-249-425-11 | CARBON | 4.7K | 5% | 1/4W | | | | | |
| R825 1-249-465-11 CARBON 1K 55 1/4W X301 1-567-192-11 OSCILLATOR, CERRATIC R825 1-247-713-11 CARBON 1K 55 1/4W X301 1-527-722-00 SCILLATOR, CERRATIC R833 1-249-437-11 CARBON 47K 55 1/4W X301 1-527-722-00 SCILLATOR, CERRATIC R833 1-249-437-11 CARBON 47K 55 1/4W X301 1-527-722-00 SCILLATOR, CERRATIC R833 1-249-437-11 CARBON 47K 55 1/4W X301 1-527-722-00 SCILLATOR, CERRATIC R833 1-249-437-11 CARBON 47K 55 1/4W X301 1-527-722-00 SCILLATOR, CERRATIC R833 1-249-437-11 CARBON 47K 55 1/4W X301 1-563-501-11 JACK B.OCK, PIM (LTYPE) 3P X311 1-249-441-11 CARBON 100K 55 1/4W X301 1-563-501-11 JACK B.OCK, PIM (LTYPE) 3P X311 1-563-351-11 JACK B.OCK, PIM (LT | R820 1-249-441-11 | CARBON | 100K | 5% | 1/4W | | | CRY | STAL | |
| R039 1-294-343-11 CARBON 47K 5K 1/4W | R822 1-249-465-11 | CARBON | 47K | 5% | 1/4W | | X301 | 1-527-722-00 | OSCILLATOR, CRYSTAL | |
| R834 1-249-431-11 CARBON 39K 5% 1/4W R846 1-249-431-11 CARBON 10K 5% 1/4W R846 1-249-431-11 CARBON 10K 5% 1/4W F R846 1-249-385-11 CARBON 10K 5% 1/4W F R846 1-249-385-11 CARBON 10K 5% 1/4W F R856 1-249-385-11 CARBON 10K 5% 1/4W R856 1-249-411-11 CARBON 560 5% 1/4W R856 1-249-411-11 CARBON 10K 5% 1/4W R855 1-249-411-11 CARBON 10K 5% 1/4W R855 1-249-411-11 CARBON 10K 5% 1/4W R855 1-249-411-11 CARBON 10K 5% 1/4W S1309 1-554-804-11 SHITCH, PUSH (1 KEY) R856 1-249-401-11 CARBON 10K 5% 1/4W S1309 1-554-804-11 SHITCH, PUSH (1 KEY) R1404 1-249-400-1 CARBON 10K 5% 1/4W S1309 1-554-804-11 SHITCH, PUSH (1 KEY) R1404 1-249-400-1 CARBON 10K 5% 1/4W S1309 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 75 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 10K 5% 1/4W S1301 1-553-667-00 SHITCH, PUSH (1 KEY) R1406 1-249-434-11 CARBON 10K 5% 1/4W S1301 1-553-667-00 SHITCH, PUSH (1 KEY) R1401 1-249-441-11 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1401 1-249-441-11 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1401 1-249-441-11 CARBON 10K 5% 1/4W S1301 1-554-804-10 SHITCH, PUSH (1 KEY) R1401 1-249-441-11 CARBON 10K 5% 1/4W S1301 1-554-804-11 SHITCH, PUSH (1 KEY) R1401 1-249-441-11 CARBON 10K 5% 1/4W S1301 1-554-804-10 SHITCH, PUSH (1 KEY) S1301 1-554-804-10 SHITCH, PUSH (| R838 1-249-437-11 R839 1-249-436-11 R840 1-249-413-11 | CARBON CARBON CARBON | 47K 39K 470 | 5% 5% 5% | 1/4W 1/4W 1/4W | | | | M1 BOARD | ***** |
| R844 1.249.441-11 CARBON 100K 5% 1/4W R855 1.249.438-11 CARBON 1 | | | | | | | | JAC | <u>K</u> | |
| R847 1-249-385-11 CARBON 2.2 5% 1/4W R848 1-247-713-11 CARBON 1K 5% 1/4W R850 1-249-414-11 CARBON 560 5% 1/4W R850 1-249-414-11 CARBON 560 5% 1/4W R851 1-249-417-11 CARBON 560 5% 1/4W R851 1-249-417-11 CARBON 100K 5% 1/4W R851 1-249-417-11 CARBON 100K 5% 1/4W R855 1-249-469-11 CARBON 100K 5% 1/4W S1309 1-554-804-11 SWITCH, PUSH (1 KEY) R1402 1-249-402-11 CARBON 1,8K 5% 1/4W S1309 1-554-804-11 SWITCH, PUSH (1 KEY) R1403 1-249-420-11 CARBON 1,8K 5% 1/4W S1311 1-554-804-11 SWITCH, PUSH (1 KEY) R1403 1-249-420-11 CARBON 1,8K 5% 1/4W S1311 1-554-804-11 SWITCH, PUSH (1 KEY) R1403 1-249-420-11 CARBON 1,8K 5% 1/4W S1311 1-554-804-11 SWITCH, PUSH (1 KEY) R1404 1-249-420-11 CARBON 1,8K 5% 1/4W S1311 1-554-804-11 SWITCH, PUSH (1 KEY) R1409 1-249-420-11 CARBON 27K 5% 1/4W S1311 1-554-804-11 SWITCH, PUSH (1 KEY) R1409 1-249-431-11 CARBON 680 5% 1/4W S1314 1-554-804-11 SWITCH, PUSH (1 KEY) R1409 1-249-431-11 CARBON 680 5% 1/4W S1314 1-554-804-11 SWITCH, PUSH (1 KEY) R1409 1-249-431-11 CARBON 680 5% 1/4W S1314 1-554-804-11 SWITCH, PUSH (1 KEY) R1401 1-249-431-11 CARBON 680 5% 1/4W S1316 1-553-667-00 SWITCH, PUSH (1 KEY) R1411 1-249-431-11 CARBON 680 5% 1/4W S1316 1-553-667-00 SWITCH, PUSH (1 KEY) R1411 1-249-431-11 CARBON 680 5% 1/4W S1314 1-554-804-11 SWITCH, PUSH (1 KEY) R1411 1-249-431-11 CARBON 680 5% 1/4W S1314 1-553-667-00 SWITCH, PUSH (1 KEY) R1411 1-249-431-11 CARBON 680 5% 1/4W S1314 1-553-667-00 SWITCH, PUSH (1 KEY) R1411 1-249-431-11 CARBON 100K 5% 1/4W R1414 1-249-431-11 CARBON 100K 5% 1/4W R1413 1-249-441-11 CARBON 100K 5% 1/4W R1413 1-249-441-11 CARBON 100K 5% 1/4W R1412 1-249-429-11 CARBON 100K 5% 1/4W R1412 1-249-429-11 CARBON 100K 5% 1/4W R142 1-249-429-11 CARBON 100K 5% | R844 1-249-441-11 | CARBON | 100K | 5% 5% | 1/4W 1/4W | | J1301 | 1-563-501-11 | JACK BLOCK, PIN (L TYPE) 3P | |
| R888 1-249-141-11 CARBON 1K 5% 1/4W M2 *1-566-064-11 PIN, CONNECTOR 12P R850 1-249-414-11 CARBON 560 5% 1/4W R850 1-249-414-11 CARBON 560 5% 1/4W R851 1-249-414-11 CARBON 1K 5% 1/4W R855 1-249-417-11 CARBON 10K 5% 1/4W S1309 1-554-804-11 SMITCH, PUSH (1 KEY) R1402 1-249-400-10 CARBON 10K 5% 1/4W S1309 1-554-804-11 SMITCH, PUSH (1 KEY) R1403 1-249-402-11 CARBON 1.8K 5% 1/4W S1310 1-554-804-11 SMITCH, PUSH (1 KEY) R1404 1-249-402-11 CARBON 1.8K 5% 1/4W S1310 1-554-804-11 SMITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 75 5% 1/4W S1311 1-554-804-11 SMITCH, PUSH (1 KEY) S1312 1-554-804-11 SMITCH, PUSH (1 KEY) R1406 1-215-394-00 CARBON 75 5% 1/4W S1313 1-554-804-11 SMITCH, PUSH (1 KEY) R1406 1-249-434-11 CARBON 10K 5% 1/4W S1313 1-554-804-11 SMITCH, PUSH (1 KEY) R1408 1-249-434-11 CARBON 10K 5% 1/4W S1315 1-554-804-11 SMITCH, PUSH (1 KEY) R1401 1-249-414-11 CARBON 10K 5% 1/4W S1315 1-554-804-11 SMITCH, PUSH (1 KEY) R1413 1-249-415-11 CARBON 10K 5% 1/4W S1315 1-554-804-11 SMITCH, PUSH (1 KEY) R1413 1-249-419-11 CARBON 10K 5% 1/4W S1315 1-554-804-11 SMITCH, PUSH (1 KEY) R1413 1-249-419-11 CARBON 10K 5% 1/4W S1315 1-554-804-11 SMITCH, PUSH (1 KEY) R1413 1-249-419-11 CARBON 10K 5% 1/4W S1315 1-554-804-11 SMITCH, PUSH (1 KEY) R1413 1-249-419-11 CARBON 10K 5% 1/4W R1413 1-249-419-11 CARBON 10K 5% 1/4W R1413 1-249-419-11 CARBON 10K 5% 1/4W R1412 1-249-429-11 CARBON 10K 5% 1/4W R1412 1-249-429-11 CARBON 10K 5% 1/4W R1422 1-249-429-11 CARBON 10K 5% 1/4W R1424 1-249-4 | | CARBON | | | | | | CON | NECTOR | |
| R852 1-249-417-11 CARBON | R848 1-247-713-11 R850 1-249-414-11 | CARBON CARBON | 1K 560 | 5% 5% | 1/4W 1/4W | F | | | | |
| R854 1-249-469-11 CARBON 100K 5% 1/4N R855 1-249-441-11 CARBON 100K 5% 1/4N S1309 1-554-804-11 SMITCH, PUSH (1 KEY) R1402 1-249-440-00 CARBON 82 5% 1/4N S1309 1-554-804-11 SMITCH, PUSH (1 KEY) R1403 1-249-420-11 CARBON 1.8K 5% 1/4N S1310 1-554-804-11 SMITCH, PUSH (1 KEY) R1404 1-249-420-11 CARBON 1.8K 5% 1/4N S1311 1-554-804-11 SMITCH, PUSH (1 KEY) S1311 1-554-804-11 SMITCH, PUSH (1 KEY) S1311 1-554-804-11 SMITCH, PUSH (1 KEY) S1312 1-554-804-11 SMITCH, PUSH (1 KEY) S1314 1-554-804-11 SMITCH, PUSH (1 KEY) S1315 1-554-804-11 SMITCH, PUSH (1 KEY) SMITCH, P | | | | | | | | i uz | TCH | |
| R1402 1-243-404-00 CABBON B2 S% 1/4W S1309 1-554-804-11 SMITCH, PUSH (1 KEY) | | | | | | | S1308 | | | |
| R1405 1-247-883-00 CARBON 150K 5% 1/4W R1407 1-249-434-11 CARBON 75 5% 1/4W S1314 1-554-804-11 SWITCH, PUSH (1 KEY) R1407 1-249-434-11 CARBON 680 5% 1/4W S1315 1-554-804-11 SWITCH, PUSH (1 KEY) R1408 1-249-429-11 CARBON 680 5% 1/4W S1316 1-553-667-00 SWITCH, PUSH (1 KEY) R1401 1-249-414-11 CARBON 680 5% 1/4W S1316 1-553-667-00 SWITCH, PUSH R1411 1-249-415-11 CARBON 680 5% 1/4W S1316 1-553-667-00 SWITCH, PUSH R1411 1-249-415-11 CARBON 680 5% 1/4W S1316 1-553-667-00 SWITCH, PUSH R1411 1-249-419-11 CARBON 10K 5% 1/4W R1413 1-249-419-11 CARBON 10K 5% 1/4W R1413 1-249-419-11 CARBON 10K 5% 1/4W R1414 1-249-441-11 CARBON 10K 5% 1/4W R1419 1-249-441-11 CARBON 10K 5% 1/4W R1420 1-249-441-11 CARBON 10K 5% 1/4W R1420 1-249-441-11 CARBON 10K 5% 1/4W R1421 1-249-429-11 CARBON 10K 5% 1/4W R1422 1-249-429-11 CARBON 10K 5% 1/4W R1422 1-249-429-11 CARBON 10K 5% 1/4W R1422 1-249-429-11 CARBON 10K 5% 1/4W R1427 1-249-421-11 CARBON 10K 5% 1/4W R1427 1-249-421-11 CARBON 10K 5% 1/4W R1427 1-249-421-11 CARBON 10K 5% 1/4W R1427 1-249-417-11 CARBON 10K 5% 1/4W R1427 1-249-417-11 CARBON 10K 5% 1/4W R1427 1-249-417-11 CARBON 10K 5% 1/4W R1428 1-249-421-11 CARBON 10K 5% 1/4W R1428 1-249-421-11 CARBON 10K 5% 1/4W R1428 1-249-417-11 CARBON 10K 5% 1/4W R1428 1-249-421-11 CARBON 10K 5% 1/4W R1428 | R1402 1-249-404-00 R1403 1-249-420-11 | CARBON CARBON | 82 1.8K | 5% 5% | 1/4W 1/4W | | S1309 S1310 S1311 | 1-554-804-11 1-554-804-11 1-554-804-11 | SWITCH, PUSH (1 KEY) SWITCH, PUSH (1 KEY) SWITCH, PUSH (1 KEY) | |
| R1408 1-249-415-11 CARBON 680 5% 1/4W S1315 1-555-657-00 SWITCH, PUSH S1317 1-553-667-00 SWITCH, PUSH S1318 1-249-429-11 CARBON 10K 5% 1/4W S1318 1-553-667-00 SWITCH, PUSH S1318 1-249-441-11 CARBON 10K 5% 1/4W S1318 1-553-667-00 SWITCH, PUSH S1318 1-249-441-11 CARBON 10K 5% 1/4W S1318 1-553-667-00 SWITCH, PUSH S1318 1-249-441-11 CARBON 10K 5% 1/4W S1318 1-553-667-00 SWITCH, PUSH S1318 1-249-441-11 CARBON 10K 5% 1/4W S1318 1-553-667-00 SWITCH, PUSH S1318 1-249-441-11 CARBON 10K 5% 1/4W S1318 1-553-667-00 SWITCH, PUSH S1318 1-249-441-11 CARBON 10K 5% 1/4W S1318 1-553-667-00 SWITCH, PUSH S1318 1-553-667-00 SWITCH, PUSH S1318 1-553-667-00 SWITCH, PUSH S1318 1-253-667-00 SWITCH, PUSH S1318 1-249-417-11 CARBON 100K 5% 1/4W S1318 1-253-667-00 SWITCH, PUSH S1318 1-253-667-00 SWITCH, PUSH S1318 1-249-417-11 CARBON 100K 5% 1/4W S1318 1-253-667-00 SWITCH, PUSH S1318 1-249-417-11 CARBON 100K 5% 1/4W S1318 1-253-667-00 SWITCH, PUSH S1318 1-249-417-11 CARBON 100K 5% 1/4W S1318 1-249 | | | | | | | Ì | | | |
| R1410 1-249-414-11 CARBON 560 5% 1/4W R1411 1-249-415-11 CARBON 680 5% 1/4W R1412 1-249-429-11 CARBON 10K 5% 1/4W R1413 1-249-429-11 CARBON 1.5K 5% 1/4W R1414 1-249-434-11 CARBON 27K 5% 1/4W R1415 1-249-441-11 CARBON 10OK 5% 1/4W R1419 1-249-441-11 CARBON 10OK 5% 1/4W R1419 1-249-441-11 CARBON 10OK 5% 1/4W R1419 1-249-441-11 CARBON 10OK 5% 1/4W R1420 1-249-441-11 CARBON 10OK 5% 1/4W R1421 1-249-429-11 CARBON 10OK 5% 1/4W R1422 1-249-429-11 CARBON 10OK 5% 1/4W R1423 1-249-429-11 CARBON 10OK 5% 1/4W R1424 1-249-441-11 CARBON 10OK 5% 1/4W R1425 1-249-29-11 CARBON 10OK 5% 1/4W R1426 1-249-41-11 CARBON 10OK 5% 1/4W R1427 1-249-41-11 CARBON 10OK 5% 1/4W R1428 1-249-421-11 CARBON 10K 5% 1/4W R1428 1-249-417-11 CARBON 10K 5% 1/4W R1431 1-249-417-11 CARBON 10K 5% 1/4W R1431 1-249-417-11 CARBON 10K 5% 1/4W R1433 1-249-417-11 CARBON 10K 5% 1/4W R1431 1-249-417-11 CAR | R1408 1-249-429-11 | CARBON | 10K | 5% | 1/4W | | S1315 S1316 | 1-554-804-11 1-553-667-00 | SWITCH, PUSH (1 KEY) SWITCH, PUSH | |
| R1413 1-249-419-11 CARBON 27K 5% 1/4W R1414 1-249-434-11 CARBON 27K 5% 1/4W R1415 1-249-441-11 CARBON 100K 5% 1/4W R1416 1-249-441-11 CARBON 100K 5% 1/4W R1416 1-249-441-11 CARBON 100K 5% 1/4W R1419 1-249-441-11 CARBON 100K 5% 1/4W R1420 1-249-441-11 CARBON 100K 5% 1/4W R1421 1-249-441-11 CARBON 10K 5% 1/4W R1422 1-249-429-11 CARBON 10K 5% 1/4W R1423 1-249-429-11 CARBON 10K 5% 1/4W R1424 1-249-441-11 CARBON 10K 5% 1/4W R1425 1-249-421-11 CARBON 10K 5% 1/4W R1426 1-249-421-11 CARBON 10K 5% 1/4W R1427 1-249-421-11 CARBON 2.2K 5% 1/4W R1428 1-249-429-11 CARBON 10K 5% 1/4W R1428 1-249-417-11 CARBON 10K 5% 1/4W R1431 1-249-417-11 CARBON 1K 5% 1/4W R1433 1-249-417-11 CARBON 1K 5% 1/4W R1435 1-249-417-11 CARBON 1K 5% 1/4W R1435 1-249-417-11 CARBON 1K 5% 1/4W R1435 1-249-417-11 CARBON 1K 5% 1/4W R1436 1-238-009-11 RES, ADJ, CARBON 220 RV101 1-238-009-11 RES, ADJ, CARBON 220 RV201 1-238-015-11 RES, ADJ, CARBON 1K VARIABLE RESISTOR RV101 1-238-009-11 RES, ADJ, CARBON 1K M3 *1-566-045-11 PIN, CONNECTOR 8P RV201 1-238-012-11 RES, ADJ, CARBON 1K M5 *1-566-042-11 PIN, CONNECTOR 3P | R1411 1-249-415-11 | CARBON | 680 | 5% | 1/4W | | İ | | • | |
| *1-624-445-11 M2 BOARD | R1413 1-249-419-11 | CARBON | 1.5K | 5% | 1/4W | | ****** | ****** | *********** | ***** |
| R1416 1-249-441-11 CARBON 100K 5% 1/4W | | | | | | | | *1-624-445-11 | | |
| R1423 1-249-414-11 CARBON 560 5% 1/4W R1424 1-249-441-11 CARBON 100K 5% 1/4W R1425 1-249-429-11 CARBON 10K 5% 1/4W R1427 1-249-421-11 CARBON 2.2K 5% 1/4W R1428 1-249-429-11 CARBON 10K 5% 1/4W R1428 1-249-429-11 CARBON 10K 5% 1/4W R1428 1-249-417-11 CARBON 1 K 5% 1/4W D1301 8-719-812-41 D10DE TLR124 R1433 1-249-417-11 CARBON 1 K 5% 1/4W D1302 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1 K 5% 1/4W D1303 8-719-812-41 D10DE TLR | R1416 1-249-441-11 R1419 1-249-441-11 R1420 1-249-441-11 | CARBON CARBON CARBON | 100K 100K 100K | 5% 5% 5% | 1/4W 1/4W | | | *4-374-906-01 | HOLDER (TV/V), LED | |
| R1424 1-249-441-11 CARBON 100K 5% 1/4W | | | | | | | ! | CAF | PACITOR | |
| R1428 1-249-429-11 CARBON 10K 5% 1/4W D1301 8-719-812-41 D10DE TLR124 R1433 1-249-417-11 CARBON 1K 5% 1/4W D1302 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1K 5% 1/4W D1302 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 VARIABLE RESISTOR RV101 1-238-009-11 RES, ADJ, CARBON 220 M3 *1-566-047-11 PIN, CONNECTOR 8P RV201 1-238-015-11 RES, ADJ, CARBON 4.7K M4 *1-566-045-11 PIN, CONNECTOR 6P RV301 1-238-012-11 RES, ADJ, CARBON 1K M5 *1-566-042-11 PIN, CONNECTOR 3P | R1424 1-249-441-11 R1425 1-249-429-11 | CARBON CARBON | 100K 10K | 5% 5% | 1/4W 1/4W | | C1301 | 1-124-584-00 | ELECT 100MF 20% | 100 |
| R1433 1-249-417-11 CARBON 1K 5% 1/4W D1302 8-719-812-41 D10DE TLR124 R1435 1-249-417-11 CARBON 1K 5% 1/4W D1303 8-719-812-41 D10DE TLR124 VARIABLE RESISTOR RV101 1-238-009-11 RES, ADJ, CARBON 220 M3 *1-566-047-11 PIN, CONNECTOR 8P RV201 1-238-015-11 RES, ADJ, CARBON 4.7K M4 *1-566-045-11 PIN, CONNECTOR 6P RV301 1-238-012-11 RES, ADJ, CARBON 1K M5 *1-566-042-11 PIN, CONNECTOR 3P | | | | | | | | DIO | | |
| RV101 1-238-009-11 RES, ADJ, CARBON 220 M3 | R1433 1-249-417-11 | CARBON | 1K | 5% | 1/4W | | D1302 | 8-719-812-41 | DIODE TLR124 | |
| RV201 1-238-015-11 RES, ADJ, CARBON 4.7K M4 | VA | RIABLE RESISTO | <u> </u> | | | | | <u>C0</u> | NNECTOR | |
| RV302 1-238-011-11 RES, ADJ, CARBON 470 | RV201 1-238-015-11 RV301 1-238-012-11 | RES, ADJ, CA RES, ADJ, CA | RBON 4. RBON 1K | 7K | | | M4 | *1-566-045-11 | PIN, CONNECTOR 6P | |







Les composants identifies par une trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

| Ref.No. Part No. | Description | | | Remark | Ref.No | . Part No. | Description | | | | Remark |
|---|--|---|---------------------------------|---|--|--|--|------------------------------------|-----------------------------|--------------------------------------|-------------|
| RES | SISTOR | | | | <u> </u> | <u>D10</u> | DE | | | | |
| R1301 1-249-405-11 R1302 1-249-405-11 | | 100 5% 100 5% | 1/4W 1/4W | | D651 D654 D655 D657 | 8-719-109-97 8-719-924-06 8-719-924-06 8-719-100-80 8-719-911-19 | DIODE RD6.8ES DIODE ERC24-0 DIODE ERC24-0 DIODE RD20ES- DIODE 1SS119 | 6 S 6 S | | | |
| \$1301\(\Lambda\), 1-554-804-12 \$1302 | SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH | (1 KEY) (1 KEY) (1 KEY) | OWER) | | D681 D683 D685 D686 D687 | 8-719-301-64 8-719-933-13 8-719-300-76 8-719-933-13 8-719-110-48 | DIODE RU4DS DIODE ERC35-0 DIODE RH1A DIODE ERC35-0 DIODE RD18ES- | 2 | | | |
| \$1306 | SWITCH, PUSH SWITCH, PUSH | | | | | CON | NECTOR | | | | |
| ************************************** | | ****** | ****** | ****** | G1 G2 G3 | *1-508-767-00 *1-566-054-11 *1-508-766-00 | PIN, CONNECTO | R 2P | | | |
| 10 | | | | | | <u>IC</u> | | | | | |
| IC1301 8-749-900-36 | IC BX1393 | | | | | 8-759-100-75 <u>A</u> .8-719-927-74 | | | | | |
| COI | NECTOR | | | | i | MOD | ULE | | | | |
| | PIN, CONNECT | OR 3P | | | IC681 | | POWER MODULE | (DM-36 |) | | |
| ******** | **** | ***** | ***** | ***** | <u> </u> | | | | | | |
| *A-1316-076-A | G BOARD, COM | | | | | 100 <u>0</u> | | | | | |
| CA | ************* | **** | | | L651 L652 L681 L689 | 1-407-365-00 1-407-365-00 1-425-612-00 1-425-612-00 | COIL, CHOKE COIL, CHOKE COIL, ARE-COR COIL, ARE-COR | | | | |
| C651 1-123-942-51 | ELECT | 47MF | 20% | 200 v | L690 | 1-425-612-00 | COIL, ARE-COR | Ε | | | |
| C652 1-136-064-00 C653 1-129-765-00 C654 1-124-902-00 C655 1-162-318-11 | FILM ELECT | 0.002MF 0.047MF 0.47MF 0.001MF | 3% 10% 20% 10% | 2KV 200V 50V 500V | 0651 | <u>TRA</u> <u>A</u> .8-729-301-56 | NSISTOR TRANSISTOR 25 | SC3387- | O1AB | | |
| C656 1-124-472-11 C657 1-124-963-11 C658 1-130-475-00 C659 1-102-074-00 | ELECT ELECT MYLAR | 470MF 33MF 0.0022MF 0.001MF | 20% 20% 5% 10% | 10V 16V 50V 50V | Q652 | 4-302-428-00 *4-341-751-01 4-363-414-00 8-729-168-82 | HEAD, WASHER, PAWL; Q651 SPACER, MICA; TRANSISTOR 25 | TARPI Q651 | | EW; Q65 | 51 |
| C660 1-123-875-11 C661 1-161-953-00 | ELECT | 10MF 0.0047MF | 20% 20% | 50V 400V | Q653 Q655 | 4-382-216-01 8-729-168-82 8-729-200-17 | SPACER, MICA; TRANSISTOR 2S TRANSISTOR 2S | C2688 | | | |
| C664 1-162-318-11 C665 1-102-824-00 C681 1-162-116-00 C682 1-102-030-00 | CERAMIC CERAMIC | 0.001MF 470PF 680PF 330PF | 10% 5% 10% 10% | 500V 50V 2KV 500V | | RES | SISTOR | | | | |
| C683 1-102-030-00 C685 1-125-512-11 C686 1-124-618-11 C687 1-124-900-11 C688 1-124-557-11 | CERAMIC ELECT(BLOCK) ELECT ELECT | 330 PF | 10% 20% 20% 20% 20% | 500 V 160 V 35 V 35 V 25 V | R650 R651 R652 R653 R654 | 1-216-486-00 1-216-483-11 1-247-694-91 1-216-486-00 1-249-496-11 | METAL OXIDE METAL OXIDE CARBON METAL OXIDE CARBON | 8.2K 2.7K 33 8.2K 100K | 5% 5% 5% 5% 5% | 3W 3W 1/4W 3W 1/2W | F F F |
| C689 1-102-030-00 C690 1-124-499-11 C691 1-102-074-00 C692 1-162-134-11 C693 1-161-973-00 | CERAMIC ELECT CERAMIC CERAMIC | 330PF 1MF 0.001MF 470PF 220PF | 10% 20% 10% 10% | 500 V 50 V 50 V 2 K V 400 V | R655 R656 R657 R658 R659 | 1-247-706-11 1-246-529-00 1-249-398-11 1-249-424-11 1-217-189-21 | CARBON CARBON CARBON CARBON WIREWOUND | 330 220K 27 3.9K 0.12 | 5% 5% 5% 5% 10% | 1/4W 1/4W 1/4W 1/4W 2W | F |
| C694 1-123-875-11 C697 1-124-499-11 | ELECT | 10MF 1MF | 20% 20% | 50V 50V | R660 R661 R662 R663 R664 | 1-215-459-00 1-249-434-11 1-249-428-11 1-246-529-00 1-246-529-00 | METAL CARBON CARBON CARBON CARBON | 39K 27K 8.2K 220K 220K | 1% 5% 5% 5% 5% | 1/6W 1/4W 1/4W 1/4W 1/4W | |
| | | | | | R665 | 1-249-424-11 | CARBON | 3.9K | 5% | 1/4W | |
| | | | | | | | | | | | |

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifies par une trame et une marque 🛕 sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.





| Dept | Ref.No. Part No. | Description | | | Remark | Ref.No. | Part No. | Description | | | ı | Remark |
|---|--|--------------|---------|------------------|--------|--------------|------------------------------|-------------------------------|--------------------|--------------|------|--------|
| 1-247-713-11 CABRON 12K 54 34K F 1-246-775-1 METAL ONIDE 180 52 54K F 1-246-883-1 METAL ONIDE 27K 55 34K F 1-246-883-1 METAL ONIDE 27K 55 34K F 1-246-883-1 METAL ONIDE 27K 55 24K F 1-246-841-1 METAL ONIDE 27K 55 1-244 METAL ONIDE 27K 27K METAL ONIDE 27K 27 | | | 1.2K 1 | l% 1/4W | | 0703 | 8-719-911-19 | DIODE 1SS119 | | | | |
| 1-409-429-11 CARBON 10K 51 J/4W 1675 1-216-483-11 MTAL ON DID 27K 52 J/4W 1675 1-216-483-11 MTAL ON DID 27K 52 J/4W 1676 1-216-483-11 MTAL ON DID 27K 52 J/4W 1676 1-216-481-11 MTAL ON DID 27K 52 J/4W 1676 1-229-417-11 CARBON 10K 52 J/4W 1775 1-216-281-11 MTAL ON DID 10K 52 J/4W 1775 1-226-217-11 TRANSISTOR 25C2611 MTAL ON DID 27K 17K | R670 1-247-713-11 R671 1-216-475-11 | METAL OXIDE | 120 5 | 5% 3W | | | <u>C01</u> | <u>L</u> | | | | |
| REF 1-296-409-11 CARDON 220 St 1/4W 1/2W 1-299-407-11 CARDON 1K 5% 1/4W 1/2W 1/ | R674 1-249-429-11 | CARBON | 10K 5 | 5% 1/4W | | L701 | 1-408-417-00 | INDUCTOR | 47UH | | | |
| Reg 1-245-417-11 CARBON 1K SX 1/4W 0701 8-729-17-3-54 RARKISTOR SCETTES REG 1-216-444-11 METAL (DIDE SX SX SX W F 0703 8-729-126-11 TRARKISTOR SCETTES REG 1-216-17-75-11 CARBON 1K SX 1/4W 0706 8-729-178-3-14 TRARKISTOR SCETTES REG 1-216-240-71-11 CARBON 6K SX 1/4W 0706 8-729-178-3-14 TRARKISTOR SCETTES REG 1-216-240-71-11 CARBON 6K SX 1/4W 0706 8-729-178-3-14 TRARKISTOR SCETTES REG 1-216-240-71-11 CARBON 6K SX 1/4W 0706 8-729-178-3-14 TRARKISTOR SCETTES REG 1-216-240-71 CARBON 6K SX 1/4W 0706 8-729-178-3-14 TRARKISTOR SCETTES REG 1-216-240-71 CARBON 6K SX 1/4W 0706 8-729-126-11 TRARKISTOR SCETTES REG 1-216-240-10-11 CARBON 100 SX 1/4W F 8701 1-202-838-00 SOLID 0704 100 10X 1/2W REG 1-216-240-90-91 CARBON 100 SX 1/4W F 8702 1-216-240-00 METAL (DIDE 2) SX SX 1/4W REG 1-202-838-00 SOLID 0704 10X 1/2W REG 1-216-240-90-91 CARBON 31K SX 1/4W REG 1-202-838-00 SOLID 0704 10X 1/2W REG 1-202-839-00 SOLID 0705 1/2W R | R677 1-249-409-11 | CARBON | 220 5 | 5% 1/4W | | | TRA | NSISTOR | | | | |
| Repair 1-215-827-11 METAL OXIDE 3.1% 5% 1/44 6705 8-729-1326-11 TRANSISTOR 25C2611 Repair 1-215-872-11 METAL OXIDE 3.1% 5% 1/44 6705 8-729-1326-11 TRANSISTOR 25C2611 Repair 1-215-872-11 CARBON 10% 5% 1/44 7070 8-729-1326-11 TRANSISTOR 25C2611 Repair 1-215-872-10 Repair 1-215-872- | R682 1-249-417-11 | CARBON | 1K 5 | 5% 1/4W | | Q702 | 8-729-326-11 | TRANSISTOR 2S | C2611 | | | |
| R689 1-249-467-11 CARBON 68K 5x 1/4M F R699 1-247-713-11 CARBON 100 5x 1/4M F R693 1-249-468-11 CARBON 100 5x 1/4M F R701 1-202-888-00 50.10 200 100 1/2M R695 1-249-408-11 CARBON 100 5x 1/4M F R702 1-216-394-00 METAL OXIDE 2.7 5x 3M F R695 1-249-408-11 CARBON 100 5x 1/4M F R702 1-216-394-00 METAL OXIDE 2.7 5x 3M F R696 1-247-726-11 CARBON 33K 5x 1/4M R704 1-202-886-00 50.10 200 10x 1/2M R696 1-247-726-11 CARBON 33K 5x 1/4M R705 1-202-882-00 50.10 200 10x 1/2M R698 1-247-726-11 CARBON 33K 5x 1/4M R705 1-202-882-00 50.10 200 10x 1/2M R705 1-202-882-10 50.10 200 200 200 200 200 200 200 200 200 200 200 200 | R684 1-215-872-11 | METAL OXIDE | 3.3K 5 | 5% 1W 5% 1/4W | | Q704 | 8-729-326-11 | TRANSISTOR 2S | C2611 | | | |
| RESISTOR REG3 1-229-089-11 CARRON 180 55 1/4W REG3 1-229-089-10 SQL 10 100 10K 1/7W REG4 A.1-229-08-91 CARRON 100 55 1/4W REG4.1-229-08-91 CARRON 100 55 1/4W REG4.1-229-08-91 CARRON 100 55 1/4W REG4.1-229-08-91 CARRON 100 55 1/4W REG6 A.1-229-08-91 CARRON 100 55 1/4W REG6 A.1-227-813-00 SQL 10 270K 10X 1/7W REG6 A.1-227-813-01 CARRON 33K 5K 1/4W R705 1-202-845-00 SQL 10 270K 10X 1/7W REG6 A.1-227-78-11 CARRON 33K 5K 1/4W R705 1-202-837-00 SQL 10 100 10X 1/2W REG6 A.1-227-78-11 CARRON 33K 5K 1/4W R705 1-202-837-00 SQL 10 100 10X 1/2W REG6 A.1-227-78-11 SRT REG6 A.31-752-01 FELET: TES1 REG6 A.1-227-78-00 TRANSFORMER REG6 A.1-227-78-14 SQL 10 100 10X 1/2W REG6 A.1-227-78-00 TRANSFORMER REG6 A.1-227-78-14 SQL 10 100 10X 1/2W REG6 A.1-227-78-00 TRANSFORMER, HORIZONTAL DRIVE REG7 1-202-842-14 SQL 10 100 10X 1/2W REG6 A.1-227-78-00 TRANSFORMER, HORIZONTAL DRIVE REG7 1-202-842-14 SQL 10 100 10X 1/2W REG7 1-202-842-14 SQL 10 10X 10X 10X 10X 10X 10X 10X 10X 10X | | | | | | Q706 | 8-729-326-11 | TRANSISTOR 2S | C2611 | | | |
| R696 A.1-249-405-91 CARBON 100 5t 1/4M F R701 1-202-838-00 50.10 100K 10X 1/2M R696 A.1-247-831-91 CARBON 100 5t 1/4M F R703 1-202-842-11 50.10 220K 10X 1/2M R696 A.1-247-831-91 CARBON 10X 5X 1/4M R705 1-202-842-10 50.10 220K 10X 1/2M R696 A.1-247-876-11 CARBON 33K 5X 1/4M R705 1-202-897-00 50.10 220K 10X 1/2M R696 A.1-247-876-11 CARBON 33K 5X 1/4M R705 1-202-897-00 50.10 220K 10X 1/2M R696 A.1-247-876-11 CARBON 33K 5X 1/4M R705 1-202-897-00 50.10 220K 10X 1/2M R705 1-202-897-00 50.10 10 10X 1/2M R705 1-202-897-00 50.10 10 10X 1/2M R706 1-202-897-00 50.10 10 10X 1/2M R707 1-202-897-10 10X 10X 10X 10X 10X 10X 10X 10X 10X 1 | R692 A.1-215-866-91 | METAL OXIDE | 330 5 | 5% 1W | F € | | RES | ISTOR | | | | |
| R696 A.1-247-81-91 CARBON 1K 5x 1/4M R704 1-202-946-00 SOLID 470K 10K 1/2W R698 1-247-726-11 CARBON 33K 5x 1/4M R705 1-202-948-00 SOLID 82K 10X 1/2W R706 1-202-549-00 SOLID 100 10X 1/2W R707 1-202-942-11 SOLID 20X 10X 1/2W R707 1-202-942-11 SOLID 20X 10X 1/2W R707 1-202-942-10 SOLID 3.3K 10X 1/2W R708 1-202-942-10 SOLID 3.3K 10X 1/2W R709 1-202-262-00 SOLID 3.3K 10X 1/2W R709 1-202-362-00 SOLID 3.3K 10X 1/2W R709 1-202-262-00 SOLID 3.3K 10X 1/2W R709 | R694 A.1-249-405-91 | CARBON | 100 5 | 5% 1/4W | | R702 | 1-216-394-00 | METAL OXIDE | 2.7 | 5% | 3W | F |
| TRANSFORMER TRANSFORMER TRANSFORMER R706 1-202-549-00 SO. ID 100 10X 1/2W 1/2W 1/2W 1-202-842-10 SO. ID 3.3% 10X 1/2W 1/2W 1/2W 1/2W 1/2W 1/2W 1/2W 1/2W | | | | | | R704 | 1-202-846-00 | SOL ID | 470K | 10% | 1/2W | |
| R708 1-202-824-00 SOLID 3.3 K 10% 1/2W | | | | | | | | | | | | |
| THERMISTOR | T651 <u>A</u> .1-421-938-11 | SRT | | | | R708 R709 | 1-202-824-00 1-202-824-00 | SOL ID SOL ID | 3.3K 3.3K | 10% | 1/2W | |
| THERMISTOR THEST 1-800-954-00 THERMISTOR S-3K R715 1-249-422-11 CARBON 2.7K 5% 1/4W *A-1330-862-A C BOARD, COMPLETE ********************************** | | | HORIZON | TAL DRIVE | | İ | 1-249-411-11 | CARBON | 330 | 5% | 1/4W | |
| TH651 1-800-954-00 THERMISTOR S-3K R715 1-249-422-11 CARBON 2.7K 5% 1/4W | THE | RMISTOR | | | | R713 | 1-202-824-00 | SOL ID | 3.3K | 10% | 1/2W | |
| *A-1330-862-A C BOARD, COMPLETE ********************************** | TH651 1-800-954-00 | THERMISTOR S | -3K | | | | | | | | | |
| ###################################### | ******* | ***** | ***** | ****** | ***** | R718 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| CONNECTOR R723 | *A-1330-862-A | | | | | R720 | 1-249-409-11 | CARBON | 220 | 5 % | 1/4W | F. |
| CONNECTOR R726 1-249-393-11 CARBON 10 5% 1/4W R727 1-249-417-11 CARBON 10 5% 1/4W R727 1-249-417-11 CARBON 10 5% 1/4W R728 1-249-417-11 CARBON 10 5% 1/4W R728 1-249-417-11 CARBON 10 5% 1/4W R730 1-215-923-00 RETAL OXIDE 10K 5% 3W F R732 1-249-408-11 CARBON 130 5% 1/4W R730 1-215-923-00 RETAL OXIDE 10K 5% 3W F R732 1-249-408-11 CARBON 180 5% 1/4W R730 1-215-923-00 RETAL OXIDE 10K 5% 3W F R732 1-249-408-11 CARBON 180 5% 1/4W R734 1-249-409-11 CARBON 1.8K 5% 1/4W R734 1-249-409-11 CARBO | A. 1-526-798-27 | SOCKET, CRT | | | | | | | | | | |
| C1 *1-506-371-00 2P PLUG (L) C2 *1-508-768-00 6P PLUG C3 *1-506-058-11 PIN, CONNECTOR 6P CAPACITOR C2 *1-506-058-11 PIN, CONNECTOR 6P C3 *1-566-058-11 PIN, CONNECTOR 6P C4 *1-506-058-11 PIN, CONNECTOR 6P C5 *1-566-058-11 PIN, CONNECTOR 6P C6 *1-102-1102-1102 C701 1-129-714-00 FILM C701 1-129-714-00 FILM C702 *1-102-155-12 CERAMIC C704 1-124-915-11 ELECT C704 1-124-915-12 CERAMIC C705 1-102-116-00 CERAMIC C80PF C706 1-102-116-00 CERAMIC C80PF C707 1-102-116-00 CERAMIC C80PF C708 1-102-117-00 CERAMIC C80PF C709 1-102-117-00 CERAMIC CRAMIC C709 1-102-117-00 CERAMIC C709 1-102-117-00 | CON | NECTOR | | | | R726 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W | |
| R730 1-215-923-00 METAL OXIDE 10K 5% 3W F R730 1-249-408-11 CARBON 180 5% 1/4W R733 1-249-420-11 CARBON 180 5% 1/4W R733 1-249-420-11 CARBON 1.8K 5% 1/4W R734 1-249-420-11 CARBON 1.8K 5% 1/4W R736 1-215-923-00 METAL OXIDE 10K 5% 3W F R736 1-215-923-00 METAL OXIDE 10K 5% 3W F R736 1-202-848-00 SOLID 10K 10% 10% 1/2W R738 1-202-848-00 SOLID 10K 10% 1/2W R740 1-202-842-11 SOLID 220K 10% 1/2W R740 1-202-842-11 SOLID 20K 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% 10% | | 6P PLUG | | | | R728 | 1-249-409-11 | CARBON | 220 | 5% | 1/4W | |
| C701 1-129-714-00 FILM | C3 *1-566-058-11 | PIN, CONNECT | OR 6P | | | R730 | 1-215-923-00 | METAL OXIDE | 10K | 5% | 3W | F |
| C702 A. 1-102-155-12 CERAMIC 330PF 20% 2KV R735 1-249-393-11 CARBON 10 5% 1/4W C704 1-124-915-11 ELECT 10MF 20% 63V R737 1-215-923-00 METAL OXIDE 10K 5% 3W F C705 1-102-116-00 CERAMIC 680PF 10% 50V R738 1-202-848-00 SOLID 680K 10% 1/2W C706 1-102-116-00 CERAMIC 680PF 10% 50V R739 1-202-838-00 SOLID 100K 10% 1/2W R740 1-202-842-11 SOLID 220K 10% 1/2W C707 1-102-117-00 CERAMIC 820PF 10% 50V C708 1-102-117-00 CERAMIC 820PF 10% 50V C709 1-102-117-00 CERAMIC 820PF 10% 50V C710 1-102-117-00 CERAMIC 820PF 10% 50V C711 1-101-004-00 CERAMIC 820PF 10% 50V RV701A.1-230-619-11 RES, ADJ, METAL GLAZE 110M *4-379-167-01 COVER (MAIN), CV; RV701 C721 1-162-130-11 CERAMIC 180PF 10% 2KV RV702 1-230-271-81 RES, ADJ, CARBON 4.7K C722 1-162-622-11 CERAMIC 330PF 10% 6.3KV RV703 1-230-628-81 RES, ADJ, CARBON 2.2K RV704 1-230-271-81 RES, ADJ, CARBON 4.7K RV705 1-230-628-81 RES, ADJ, CARBON 4.7K RV706 1-230-271-81 RES, | | | 0.01мг | 10% | 620V | | | | 1 0 | | | |
| C706 1-102-116-00 CERAMIC 680PF 10% 50V R740 1-202-842-11 SOLID 100K 10% 1/2W R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 220K R740 1-202-842-11 SOLID 240K R740 1-202-842-11 SOLID 240K R740 R740 R740 R740 R740 R740 R740 R740 | C702 A.1-102-155-12 | CERAMIC | 330PF | 20% | 2KV | | | | 10K | 5% | 3W | F |
| C707 1-102-116-00 CERAMIC 820PF 10% 50V | | | | | | R739 | 1-202-838-00 | SOL ID | 100K | 10% | 1/2W | |
| C710 1-102-117-00 CERAMIC 820PF 10% 50V RV701A_1-230-619-11 RES, ADJ, METAL GLAZE 110M *4-379-160-01 COVER (REAR LID), CV; RV701 C721 1-123-356-00 ELECT 10MF 20% 16V RV702 1-230-271-81 RES, ADJ, CARBON 4.7K C722 1-162-622-11 CERAMIC 180PF 10% 2KV RV702 1-230-271-81 RES, ADJ, CARBON 2.2K RV702 1-230-271-81 RES, ADJ, CARBON 2.2K RV703 1-230-628-81 RES, ADJ, CARBON 2.2K RV704 1-230-271-81 RES, ADJ, CARBON 2.2K RV705 1-230-628-81 RES, ADJ, CARBON 2.2K RV706 1-230-271-81 RES, ADJ, CARBON 4.7K RV707 1-230-271-81 RES, ADJ, CARBON | C708 1-102-117-00 | CERAMIC | 820PF | 10% | 50 V | | | | | | | |
| C712 1-123-356-00 ELECT 10MF 20% 16V | C710 1-102-117-00 | CERAMIC | 820PF | | 50 V | RV 7012 | A.1-230-619-11 | RES, ADJ, ME | - TAL GLA | | | |
| C722 1-162-622-11 CERAMIC 330PF 10% 6.3KV RV703 1-230-628-81 RES, ADJ, CARBON 2.2K RV704 1-230-271-81 RES, ADJ, CARBON 4.7K RV705 1-230-628-81 RES, ADJ, CARBON 2.2K RV706 1-230-271-81 RES, ADJ, CARBON 4.7K RV707 1-230-271-81 RES, ADJ, CARBON 4.7K RV707 1-230-271-81 RES, ADJ, CARBON 4.7K | | | | | | RV 702 | *4-379-167-01 | COVER (MAIN) RES, ADJ, CAI | , CV; R RBON 4. | 7 701 7 K | /UI | |
| DIODE RV705 1-230-628-81 RES, ADJ, CARBON 2.2K RV706 1-230-271-81 RES, ADJ, CARBON 4.7K RV707 1-230-271-81 RES, ADJ, CARBON 4.7K | | | | | | RV 703 | 1-230-628-81 | RES, ADJ, CAI | RBON 2. | 2K | | |
| D701 8-719-911-19 DIODE 1SS119 RV707 1-230-271-81 RES, ADJ, CARBON 4.7K | DI | ODE | | | | RV 705 | 1-230-628-81 | RES, ADJ, CA | RBON 2. | 2K | | |
| | | | | | | RV 707 | 1-230-271-81 | RES, ADJ, CA | RBON 4. | 7K | 2M | |



Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

| Ref.No. Part No. | Description | | | Remark | Ref.No. | Part No. | Description | | | Remark |
|--|--------------------------------------|--|----------------------------|--------------------------------|----------------|---|----------------------------------|-------------------------------|-------------------|-----------------------------|
| *A-1345-757-A | D BOARD, COM | | | | | 1-124-477-11 1-123-947-00 | ELECT ELECT | 47MF 10MF | 20% 20% | 16V 250V |
| *4-341-752-01 | EYELET | | | | C1690 | 1-162-114-00 1-108-425-00 1-124-901-61 | CERAMIC MYLAR ELECT | 0.0047MF 0.022MF 1000MF | 20% | 2KV 200V 35V |
| CAF | PACITOR | | | | | 1-102-038-51 1-124-480-11 | CERAMIC ELECT | 0.001MF 470MF | 20% | 500V 25V |
| C1501 1-124-902-00 C1502 1-102-110-00 C1504 1-102-244-00 C1505 1-108-429-51 | ELECT CERAMIC CERAMIC MYLAR | 0.47MF 220PF 220PF 0.047MF | 20% 10% 10% | 50 V 50 V 500 V 200 V | C1694 C1695 | 1-102-212-00 1-123-024-00 1-124-930-11 | CERAMIC ELECT ELECT | 820 PF 33MF 33MF | 10% | 500V 160V 100V |
| C1506A.1-162-134-51 | CERAMIC | 470PF | 10% | 2KV | | 1-108-431-00 1-124-902-00 | MYLAR ELECT | 0.068MF 0.47MF | 20% | 200 v 50 v |
| C1507♠,1-136-617-11 *4-341-751-01 | FILM PAWL: C1507 | 0.019MF | 3% | 2K V | C1701 | 1-123-875-11 1-123-875-11 | ELECT ELECT | 10MF 10MF | 20% 20% | 50V 50V |
| C1508 1-102-157-00 C1509A.1-136-316-51 | CERAMIC FILM | 560PF 0.056MF | 10% 5% | 500V 630V | j | 1-106-220-00 | | 0.1MF | 10% | 100v |
| *4-341-751-01 C1510 1-136-124-00 | PAWL; C1509 FILM | 0.56MF | 5% | 400V | C1715 | | MYLAR ELECT MYLAR | 0.022MF 10MF 0.022MF | 10% 20% 10% | 100V 50V 100V |
| *4-341-751-01 C1511 1-102-038-00 C1512 1-106-343-00 | PAWL; C1510 CERAMIC MYLAR | 0.001MF 0.001MF | 10% | 500 V 100 V | C1719 | 1-124-925-11 1-130~868-00 | ELECT FILM | 2.2MF 0.0056MF | 20% 5% | 50 V 50 V |
| C1513 1-123-943-00 | ELECT | 1MF | 20% | 250V | C1721 | 1-123-875-11 1-123-875-11 | ELECT ELECT | 10MF 10MF | 20% 20% | 50 V 50 V |
| C1514 1-136-612-11 *4-341-751-01 | FILM PAWL; C1514 | 2.4MF | 5% | 2007 | C1723 | 1-101-004-00 | CERAMIC ELECT | 0.01MF 220MF | 20% 20% | 50V 16V 50V |
| C1515 1-108-435-51 C1516 1-162-116-00 C1517 1-108-413-00 | MYLAR CERAMIC MYLAR | 0.15MF [•] 680PF 0.0022MF | 10% | 200V 2KV 200V | İ | 1-123-875-11 1-102-820-00 | ELECT CERAMIC | 10MF 330PF | 5% | 50 V |
| C1517 1-108-413-00 C1518 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV | C1726 | 1-130-491-00 | MYLAR ELECT | 0.047MF 470MF | 5% 20% | 50 V 16V |
| C1520 1-106-343-00 C1521 1-106-383-00 | MYLAR MYLAR | 0.001MF 0.047MF | 10% 10% | 100v 100v | C1729 | 1-136-173-00 1-108-634-81 | FILM MYLAR | 0.47MF 0.047MF | 5% 10% | 50 V 100 V |
| C1524 1-106-343-00 C1539 1-124-925-11 | MYLAR ELECT | 0.001MF 2.2MF | 10% 20% | 100V 50V | | 1-106-367-00 | MYLAR | 0.01MF | 10% | 100V |
| C1540 1-106-220-00 | MYLAR | 0.1MF | 10% | 100 v | | 1-124-499-11 1-108-381-91 | ELECT MYLAR | 1MF 0.022MF | 20% 10% | 50V 100V |
| C1541 1-102-030-00 C1542 1-106-220-00 | CERAMIC MYLAR | 330PF 0.1MF 100MF | 10% 10% 20% | 500V 100V 35V | | 1-106-343-00 1-106-383-00 | MYLAR MYLAR | 0.001MF 0.047MF | 10% 10% | 100V 100V |
| C1543 1-124-122-11 C1545 1-108-373-91 | ELECT MYLAR | 0.0047MF | 10% | 100v | | 1-124-499-11 1-102-820-00 | ELECT CERAMIC | 1MF 330PF | 20% 5% | 50V 50V |
| C1547 1-123-875-11 C1548 1-124-913-11 | ELECT ELECT | 10MF 470MF | 20 % 20 % | 50 V 50 V | C1744 | 1-124-499-11 1-106-383-00 | ELECT MYLAR | 1MF 0.047MF | 20% 10% | 50V 100V |
| C1549 1-102-114-00 C1550 1-106-367-00 | CERAMIC MYLAR | 470PF 0.01MF | 10% 10% | 50 V 200 V | C1746 | 1-106-351-00 | MYLAR | 0.0022MF | 10% | 100V |
| C1551 1-102-233-00 | CERAMIC | 33PF | 10% | 500V | | CON | INECTOR | | | |
| C1552 1-124-925-11 C1553 1-124-480-11 | ELECT ELECT | 2.2MF 470MF | 20% 20% | 50 V 25 V | D1 | *1-566-054-11 | | | | |
| C1561 1-124-925-11 C1562 1-124-925-11 C1563 1-124-925-11 | ELECT ELECT | 2.2MF 2.2MF 2.2MF | 20% 20% 20% | 50 V 50 V 50 V | D2 D3 D5 | *1-566-063-11 *1-508-767-00 *1-508-766-00 | PIN, CONNECT 5P PLUG 4D DIUG (M) | IUK IIP | | |
| C1564 1-124-927-11 | ELECT ELECT | 4.7MF | 20% | 50 V | D8 | *1-508-767-00 | | | | |
| C1567 1-124-925-11 C1568 1-106-367-00 | ELECT | 2.2MF 0.01MF | 20% 10% | 50 V 100 V | D9 D12 | *1-508-768-00 *1-566-057-11 | 6P PLUG PIN, CONNECT | TOR 5P | | |
| C1569 1-123-933-00 C1570 1-124-925-11 | | 10MF 2.2MF | 20 % 20 % | 160V 50V | DY1 | *1-564-038-00 | CONNECTOR P | .UG, DY (MIM | NI) 6P | |
| C1571 1-123-875-11 | ELECT | 10MF | 20% | 50 v | | <u>D10</u> | ODE | | | |
| C1572 1-124-925-11 C1573 1-124-925-11 C1574 1-124-901-61 | ELECT ELECT ELECT | 2.2MF 2.2MF 1000MF | 20% 20% 20% | 50 V 50 V 35 V | D1501 | 8-719-945-80 *4-341-752-01 | | | | |
| C1578 1-106-367-00 | | 0.01MF | 10% | 100v | D1502 | 8-719-945-80 *4-341-752-01 | | -158 | | |
| C1630 1-124-463-00 C1631 1-124-658-11 | | 0.1MF 22MF | 20 % 20 % | 50 V 50 V | İ | 8-719-900-26 | DIODE ERD29 | | | |
| C1662 1-129-710-00 C1663 1-106-383-00 | MYLAR | 0.0047MF 0.047MF | 10% 10% | 630V 100V | D1505 | 8-719-911-55 8-719-911-55 | DIODE U05G DIODE U05G | | | |
| C1670 1-124-908-11 | | 22MF | 20% | 25 V | D1507 | 8-719-110-72 8-719-911-19 | DIODE RD30E | 9 | | |
| C1671 1-124-925-11 C1672 1-130-497-00 | MYLAR | 2.2MF 0.15MF 2.2MF | 20% 5% 20% | 50 V 50 V 50 V | İ | 8-719-109-90 8-719-911-55 | | F2-R3 | | |
| C1673 1-124-925-11 | LC LC 1 | 2.2MF | C U /0 | 30 ¥ | 1 01340 | 0-119-911-00 | 9100E 003G | | | |

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

• * : Selected to yield optimum performance.



| Ref.No. Part No. | Description | Remark | Ref.No. | Part No. | Description | | | | Remark |
|---|--|--------|---|--|---|-------------------------------------|----------------------------|--------------------------------------|------------------|
| D1541 8-719-109-90 D1542 8-719-911-19 D1543 8-719-911-19 D1544 8-719-911-55 D1545 8-719-911-19 | DIODE RD5.6ES-B3 DIODE 1SS119 DIODE 1SS119 DIODE UO5G DIODE 1SS119 | | Q1611 Q1612 Q1670 | 8-729-117-54 8-729-178-54 8-729-178-54 | TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 | SA1175 SC2785 SC2785 | | | |
| D1552 8-719-911-19 D1553 8-719-911-19 D1560 8-719-110-66 D1561 8-719-911-19 | DIODE 1SS119 DIODE 1SS119 DIODE RD27ES-B1 | | | | TRANSISTOR 25 | SA1175 | | | |
| D1562 8-719-911-19 D1563 8-719-911-19 D1564 8-719-911-19 D1662 8-719-901-19 D1663 8-719-300-65 D1691 8-719-300-38 | DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE 1SS119 DIODE V11N DIODE ES1F DIODE GU-3A DIODE RGP15G DIODE 1SS119 DIODE RH1A DIODE RS1519 DIODE RS1519 DIODE 1SS119 DIODE 1SS119 | | R1502 R1503 <u>A</u> R1504 <u>A</u> R1505 R1506 | 1-249-423-11 1-247-722-91 1-215-918-51 1-216-346-00 1-247-696-11 | CARBON METAL OXIDE METAL OXIDE | 3.3K 5.6K 1.5K 0.56 47 | | 1/4W 1/4W 3W 1W 1/4W | F F |
| D1692 8-719-921-53 D1693 8-719-911-19 D1694 8-719-300-76 D1710 8-719-911-19 D1711 8-719-911-19 | DIODE RGP15G DIODE 1SS119 DIODE RH1A DIODE 1SS119 DIODE 1SS119 | | R1507 R15084 R15094 R1510 R15114 | 1-215-868-00 1-216-425-91 1-216-450-91 1-216-449-11 1-216-421-91 | METAL OXIDE METAL OXIDE METAL OXIDE | 680 56 82 56 12 | 5% 5% 5% 5% 5% | 1W 1W 2W 2W 1W | F F F F |
| D1712 8-719-109-90 | DIODE RD5.6ES-B3 | | R1515 R1516 R1517 | 1-249-423-11 1-249-389-11 1-249-435-11 1-249-465-11 1-249-465-11 | CARBON | 3.3K 4.7 33K 47K 47K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | F |
| IC1540 8-759-402-35 | IC AN5521 IC UPC4570HA IC UPC78L12 | | R1519 R1521 R1524 R1525 | 1-215-373-31 1-215-493-00 1-215-493-00 1-249-419-11 1-216-486-00 | CARBON CARBON CARBON | 10 1M 1M 1.5K 8.2K | | 1/6W 1/4W 1/4W 1/4W 3W | F |
| <u>co</u> 1 | <u>[L</u> | | R1532 | 1-247-753-11 | CARBON | 1.2K 1.2K | 5% 5% | 1/2W 1/2W | |
| L1502 1-407-364-00 L1503 1-407-365-00 *4-341-751-01 L1504 1-407-365-00 | COIL, SPOOK CHOKE 3.3UH COIL, CHOKE PAWL; L1503 COIL, CHOKE | | R1533 R1534 **R1535 R1536 | 1-247-753-11 1-247-885-00 1-249-427-11 1-249-405-11 | CARBON CARBON CARBON CARBON | 180K 6.8K 100 | | 1/4W 1/4W 1/4W 1/4W | |
| *4-341-751-01 L1506 1-408-239-00 L1507 1-459-075-00 L1508 1-459-104-00 | COIL, SPOOK CHOKE 3.3UH COIL, CHOKE PAWL; L1503 COIL, CHOKE HLC PAWL; L1505 INDUCTOR 4.7MMH COIL, DYNAMIC CONVERSION CHOKE COIL, DUST CORE | | R1539 R1540 R1541 R1542 | 1-215-407-00 1-215-405-00 1-216-429-00 1-247-722-11 1-216-433-00 | METAL METAL OX IDE CARBON METAL OX IDE | 220 270 5.6K 1.2K | 1% 5% 5% 5% | 1/6W 1W 1/4W 1W | F F |
| L1509 1-459-313-00 L1691 1-408-225-00 L1692 1-408-225-00 L1693 1-408-225-00 L1694 1-459-485-00 | INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH INDUCTOR 3.3UH | | R1544 R1545 R1546 R1547 | 1-249-435-11 1-249-427-11 1-216-351-00 1-249-429-11 | CARBON CARBON METAL OXIDE CARBON | 33K 6.8K 1.5 10K | 5% 5% 5% 5% | 1/4W 1/4W 1W 1/4W | F |
| <u>NE</u> NL 1690 1-519-237-11 | ON LAMP | | R1549 R1550 R1551 | 1-247-713-11 1-249-418-11 1-249-435-11 1-247-713-11 1-249-409-11 | CARBON CARBON CARBON | 1K 1.2K 33K 1K 220 | | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| <u>M0</u> | DULE PROTECTOR MODULE (PM-9) | | R1558 R1559 R1561 | 1-247-713-11 1-247-887-00 1-215-493-00 1-249-433-11 1-249-429-11 | CARBON CARBON CARBON | 1K 220K 1M 22K 10K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| ТΩ | ANSISTOR | | į | 1-243-423-11 | | 100 | 5% | 1/4W | |
| Q1501 8-729-168-82 Q1502 <u>A</u> 8-729-304-50 *4-341-752-01 | TRANSISTOR 2SC2688 TRANSISTOR 2SD1941-06 EYELET; Q1502 | | R1564 R1565 R1566 | 1-249-441-11 1-249-417-11 1-249-417-11 1-249-409-11 | CARBON CARBON CARBON | 100K 1K 1K 220 | | 1/4W 1/4W 1/4W 1/4W | |
| *4-378-214-01 Q1540 8-729-178-54 Q1560 8-729-201-78 Q1561 8-729-178-54 Q1608 8-729-178-54 Q1609 8-729-178-54 | TRANSISTOR 2SC2785 TRANSISTOR 2SD1406 TRANSISTOR 2SC2785 | | R1569 R1570 R1571 | 1-249-441-11 1-249-418-11 1-249-431-11 1-247-719-11 1-247-717-11 | CARBON CARBON CARBON | 100K 1.2K 15K 3.3K 2.2K | 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |

KV-27SXR10 RM-755





- The components identified by

 in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- * : Selected to yield optimum performance.

Les composants identifies par une trame et une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

| Ref.No. Part No. | Description | | | | Remark | Ref.No. | Part No. | Description | | | | Remark |
|---|--|------------------------------------|-----------------------------|--------------------------------------|--------|---|--|--|---|----------------------------|--------------------------------------|----------------------------|
| R1574 1-247-702-11 R1576 1-249-431-11 R1577 1-249-437-11 R1578 1-249-436-11 R1579 1-247-700-11 | CARBON CARBON CARBON CARBON CARBON | 150 15K 47K 39K 100 | 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | F | R1734 R1735 R1736 | 1-249-467-11 1-216-484-00 1-249-431-11 1-249-438-11 1-216-484-00 | CARBON METAL OXIDE CARBON CARBON METAL OXIDE | 68K 3.9K 15K 56K 3.9K | 5% 5% 5% 5% 5% | 1/4W 3W 1/4W 1/4W 3W | F |
| R1584 1-249-435-11 R1586 1-249-427-11 R1587 1-249-438-11 R1588 1-249-435-11 R1589 1-249-424-11 | CARBON CARBON CARBON CARBON CARBON | 33K 6.8K 56K 33K 3.9K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R1739 R1742 R1744 | 1-249-424-11 1-249-418-11 1-215-493-00 1-249-409-11 1-247-717-11 | CARBON CARBON CARBON CARBON CARBON | 3.9K 1.2K 1M 220 2.2K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| R1590 1-249-424-11 R1591 1-249-441-11 R1592 1-249-441-11 R1594 1-249-429-11 R1595 1-249-429-11 | CARBON CARBON CARBON CARBON CARBON | 3.9K 100K 100K 10K 10K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | R1755 R1756 R1757 | 1-249-417-11 1-247-706-11 1-249-436-11 1-249-437-11 1-249-418-11 | CARBON CARBON CARBON CARBON CARBON | 1K 330 39K 47K 1.2K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | |
| R1596 1-249-429-11 R1598 1-249-429-11 R1599 1-249-429-11 R1602 1-249-426-11 R1636 1-249-437-11 | CARBON CARBON CARBON CARBON CARBON | 10K 10K 10K 5.6K 47K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | RV1560 | 1-230-624-51 1-228-996-00 | RES, ADJ, CAR | BON 221 BON 47 | | | |
| R1637 1-249-437-11 R1638 1-249-413-11 R1639 1-249-441-11 R1664 1-216-434-11 R1670 1-247-701-11 | CARBON CARBON CARBON METAL OX IDE CARBON | 47K 470 100K 1.8K 120 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1W 1/4W | F | RV1562 RV1563 RV1564 RV1710 | 1-228-990-00 1-228-996-00 1-228-997-00 1-228-997-00 1-228-993-00 | RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, CAR RES, ADJ, MET | BON 471 BON 100 BON 100 AL GLA | OK OK ZE 4.7 | 'K | |
| R1671 1-215-445-00 R1672 1-215-445-00 R1674 1-249-423-11 R1675 1-249-438-11 R1676 1-247-726-11 | METAL METAL CARBON CARBON CARBON | 10K 10K 3.3K 56K 33K | 1% 1% 5% 5% 5% | 1/6W 1/6W 1/4W 1/4W 1/4W | | | 1-228-994-00 <u>SWI</u> 1-554-186-00 | RES, ADJ, CAR <u>TCH</u> SWITCH, LEVER | | < | | |
| R1677 1-249-423-11 R1678 1-249-429-11 R1679 1-215-489-00 R16914.1-249-448-91 R1692 1-249-448-11 | CARBON CARBON CARBON CARBON CARBON | 3.3K 10K 680K 1.2 | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W | | SG1501 | <u>SPA</u> 1-519-422-11 | RK GAP GAP, SPARK | | | | |
| R1693 1-249-462-11 R1694 1-249-462-11 R1695 1-215-906-11 R1700 1-202-830-00 R1702 1-249-413-11 | CARBON CARBON METAL OXIDE SOLID CARBON | 22K 22K 15 10K 470 | 5% 5% 5% 10% 5% | 1/4W 1/4W 3W 1/2W 1/4W | F . | T1502 <u>∧</u> | 1-437-079-00 ,1-421-794-11 | TRANSFORMER, TRANSFORMER, TRANSFORMER, PAWL; T1502 | | | | |
| R1703 1-249-411-11 KR1704 1-247-891-00 R1705 1-249-419-11 R1707A. R1709 1-249-433-11 | CARBON CARBON CARBON METAL CARBON | 330 330K 1.5K 22K | 5% 5% 5% | 1/4W 1/4W 1/4W 1/6W 1/4W | F | | ************ *1-624-448-11 | ************************************** | ***** | ***** | **** | ***** |
| R1711 1-249-462-11 R1712 1-249-468-11 R1713 1-215-920-11 R1714 1-249-433-11 R1716 1-215-920-11 | CARBON CARBON METAL OXIDE CARBON METAL OXIDE | 22K 82K 3.3K 22K 3.3K | 5% 5% 5% 5% 5% | 1/4W | F | C471 C472 | CAP 1-123-875-11 1-123-356-00 | | 10MF 10MF | | 20% 20% | 50 V 1 6V |
| R1717 1-249-429-11 R1718 1-249-422-11 R1719 1-249-440-11 R1720 1-247-700-11 R1721 1-249-417-11 | CARBON CARBON CARBON CARBON CARBON | 10K 2.7K 82K 100 1K | 5% 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W 1/4W | | Q471 Q472 Q473 Q474 | TRA 8-729-117-54 8-729-117-54 8-729-117-54 8-729-178-54 | NSISTOR TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 TRANSISTOR 25 | A1175 A1175 | | | |
| R1722 1-215-458-00 R1723 1-247-719-11 R1724 1-249-459-11 R1725 1-249-435-11 R1726 1-247-700-11 | METAL CARBON CARBON CARBON CARBON | 36K 3.3K 12K 33K 100 | 1% 5% 5% 5% 5% | 1/6W 1/4W 1/4W 1/4W 1/4W | | R471 | RES | ISTOR CARBON | 220K | 5 % | 1/4W | |
| R1727 1-247-706-11 R1728 1-214-766-00 R1729 1-247-725-11 R1730 1-247-715-11 R1732 1-215-463-00 | CARBON METAL CARBON CARBON METAL | 330 36K 10K 1.5K 56K | 5% 1% 5% 5% 1% | 1/4W 1/4W 1/4W 1/4W 1/6W | | R472 R473 R474 R476 R477 | 1-247-887-00 1-249-433-11 1-249-433-11 1-249-437-11 1-249-437-11 | CARBON CARBON CARBON CARBON CARBON | 220K 22K 22K 22K 47K | 5% 5% 5% 5% | 1/4W 1/4W 1/4W 1/4W | |
| | | | | | | | | | | | | |





| Ref.No | . Part No. | Description | | | | Remark | Ref.No. | Part No. | Description | | | | Remark |
|--------------|------------------------------|---------------------------|----------------|----------|----------------------------|---------------|--------------------------|--|--|----------------|--------------------------|--------------|--------|
| R478 R479 | 1-249-433-11 1-249-429-11 | CARBON CARBON | 22K 10K | 5% 5% | 1/4W 1/4W | | | TRA | NSISTOR | | | | |
| R481 | 1-249-429-11 CON | CARBON NECTOR | 10K | 5% | 1/4W | | Q451 Q455 Q461 | 8-729-178-54 8-729-178-54 8-729-178-54 | TRANSISTOR 2SO TRANSISTOR 2SO TRANSISTOR 2SO | C2785 C2785 | | | |
| U7 | *1-566-043-11 | PIN, CONNECT | OR 4P | | | | Q462 Q463 | 8-729-117-54 8-729-178-54 | TRANSISTOR 25 | | | | |
| ***** | ****** | ***** | ***** | **** | ***** | ***** | ! | 250 | YCTOD | | | | |
| | *A-1394-130-A | U1 BOARD, CO | | | | | | | ISTOR | 7.5 | c ~ | 1 (4) (| |
| | | ***** | ***** | | | | R411 | 1-247-104-00 | CARBON CARBON | 75 220 | 5% 5% | 1/4W 1/4W | |
| | CAP | ACITOR | | | | | R413 R414 | 1-246-507-00 1-246-537-00 | CARBON CARBON | 27K 470K | 5% 5% | 1/4W 1/4W | |
| C411 | 1-123-875-11 | ELECT | 10MF | | 20% | 50 V | R415 | 1-246-507-00 | CARBON | 27K | 5% | 1/4W | |
| C412 C413 | 1-124-255-00 1-124-255-00 | ELECT ELECT | 1MF 1MF | | 20% 20% | 50 V 50 V | R416 | 1-246-537-00 1-249-437-11 | CARBON CARBON | 470K 47K | 5% 5% | 1/4W 1/4W | |
| C414 C415 | 1-124-499-11 1-124-499-11 | ELECT ELECT | 1MF 1MF | | 20 % 20 % | 50 V 50 V | R418 R419 | 1-249-420-11 1-249-419-11 | CARBON CARBON | 1.8K 1.5K | 5% 5% | 1/4W 1/4W | |
| C416 | 1-102-114-00 | CERAMIC | 470PF | | 10% | 50 v | R420 | 1-249-422-11 | CARBON | 2.7K | 5% | 1/4W | |
| C421 C422 | 1-123-875-11 1-124-499-11 | ELECT ELECT | 10MF 1MF | | 20 % 20 % | 50 V 50 V | R421 R422 | 1-247-104-00 1-249-409-11 | CARBON CARBON | 75 220 | 5 % 5 % | 1/4W 1/4W | |
| C423 C431 | 1-124-499-11 1-123-875-11 | ELECT ELECT | 1MF 10MF | | 20 % 20 % | 50 V 50 V | R423 | 1-246-507-00 1-246-537-00 | CARBON CARBON | 27K 470K | 5% 5% | 1/4W 1/4W | |
| C432 | 1-124-255-00 | ELECT | 1MF | | 20% | 50 V | R425 | 1-246-507-00 | CARBON | 27K | 5% | 1/4W | |
| C433 | 1-124-255-00 | ELECT | 1MF 470MF | | 20% 20% | 50 V 16 V | R426 | 1-246-537-00 1-249-417-11 | CARBON CARBON | 470K 1K | 5% 5% | 1/4W 1/4W | |
| C441 C442 | 1-126-103-11 | ELECT ELECT | 4.7MF | | 20% | 16V | R428 | 1-247-725-11 | CARBON | 10K 10K | 5% 5% | 1/4W 1/4W | |
| C443 | 1-124-245-00 | ELECT | 4.7MF | | 20% | 16V | R429 R430 | 1-247-725-11 1-247-713-11 | CARBON CARBON | 1K | 5% 5% | 1/4W | |
| C453 C454 | 1-106-367-00 1-124-462-00 | MYLAR ELECT | 0.01MF 10MF | | 10% 20% | 100V 16V | R431 | 1-247-104-00 | CARBON | 75 | 5% | 1/4W | |
| C461 C463 | 1-106-367-00 1-124-963-11 | MYLAR ELECT | 0.01MF 33MF | | 10% 20% | 100 V 16 V | R432 R433 | 1-247-704-11 1-246-507-00 | CARBON CARBON | 220 27K | 5% 5% | 1/4W 1/4W | |
| C465 | 1-106-367-00 | MYLAR | 0.01MF | | 10% | 100 v | R434 | 1-246-537-00 1-246-507-00 | CARBON CARBON | 470K 27K | 5 % 5% | 1/4W 1/4W | |
| C466 C467 | 1-106-367-00 1-126-101-11 | MYLAR ELECT | 0.01MF | | 10% 20% | 100 V 16 V | R436 | 1-246-537-00 | CARBON | 470K | 5% | 1/4W | |
| C476 C477 | 1-102-945-00 1-123-875-11 | CERAMIC ELECT | 8PF 10MF | | 1 PF 20% | 50 V 50 V | R437 | 1-249-426-11 1-249-426-11 | CARBON CARBON | 5.6K 5.6K | 5% 5% | 1/4W 1/4W | |
| C491 | 1-124-908-11 | ELECT | 22MF | | 20% | 25 V | R439 | 1-249-417-11 | CARBON CARBON | 1K 1K | 5% 5% | 1/4W 1/4W | |
| C492 | 1-124-908-11 | ELECT | 22MF | | 20% | 25 v | R441 | 1-247-104-00 | | 75 | 5% | 1/4W | |
| | | | | | | | R442 | 1-246-537-00 | CARBON CARBON | 470K | 5% 5% | 1/4W 1/4W | |
| | DIO | _ | | | | | R443 R444 | 1-246-537-00 1-247-713-11 | CARBON CARBON | 470K 1K | 5% | 1/4W | |
| D411 D412 | 8-719-110-16 8-719-109-89 | DIODE RD10ES DIODE RD5.6E | | | | | i R445 i | 1-246-537-00 | CARBON | 470K | 5% | 1/4W | |
| D413 D414 | 8-719-109-89 8-719-109-89 | DIODE RD5.68 | | | | | R446 | 1-247-713-11 1-249-417-11 | CARBON CARBON | 1K 1K | 5% 5% | 1/4W 1/4W | |
| D415 | 8-719-109-89 | DIODE RD5.68 | | | | | R448 | 1-249-417-11 1-249-423-11 | CARBON CARBON | 1K 3.3K | 5% 5% | 1/4W 1/4W | |
| D416 | 8-719-110-16 8-719-110-16 | DIODE RD10ES | | | | | R450 | 1-249-423-11 | CARBON | 3.3K | 5% | 1/4W | |
| D417 D418 | 8-719-110-16 | DIODE RD10ES | 5-81 | | | | R451 | 1-249-416-11 | CARBON | 820 | 5% 5% | 1/4W 1/4W | |
| D419 D421 | 8-719-110-16 8-719-110-16 | | 5-B1 | | | | R455 | 1-249-416-11 1-249-425-11 | CARBON CARBON | 820 4.7K | 5% | 1/4W | |
| D431 | 8-719-110-16 | DIODE RD10ES | 5-B1 | | | | R461 R462 | 1-249-422-11 1-249-433-11 | CARBON CARBON | 2.7K 22K | 5% 5% | 1/4W 1/4W | |
| | IC | | | | | | R463 | 1-247-696-11 | CARBON | 47 | 5% | -1/4W | |
| I C40 | 1 8-759-206-12 | | | | | | R465 | 1-249-405-11 1-249-417-11 | CARBON CARBON | 100 1K | 5% 5% | 1/4W 1/4W | |
| | | | | | | | R467 | 1-249-417-11 1-249-417-11 | CARBON CARBON | 1K 1K | 5% 5% | 1/4W 1/4W | |
| | JA | CK | | | | | R469 | 1-249-433-11 | CARBON | 22K | 5% | 1/4W | |
| J411 | 1-563-302-11 | | | | | | R491 | 1-246-537-00 | CARBON | 470K | 5% 5% | 1/4W 1/4W | |
| J412 J413 | | | OCK, (S |) TER | MINAL 3 | Р | R492 R494 | 1-249-417-11 1-246-537-00 | CARBON CARBON | 1K 470K | 5% | 1/4W | |
| | | | | | | | R495 | 1-249-417-11 | CARBON | 1K | 5% | 1/4W | |

V-27SXR10

U1

Description Remark Ref.No. Part No. CONNECTOR *1-566-044-11 PIN, CONNECTOR 5P *1-566-043-11 PIN, CONNECTOR 4P *1-566-043-11 PIN, CONNECTOR 4P *1-566-047-11 PIN, CONNECTOR 8P *1-566-044-11 PIN, CONNECTOR 5P U1 U2 U3 Ų4 115 U6 *1-566-044-11 PIN, CONNECTOR 5P ***************** MISCELLANEOUS A.1-230-940-21 RESISTOR ASSY, HIGH-VOLTAGE A.1-417-125-16 SELECTOR, ANTENNA A.1-426-350-21 COIL, DEMAGNETIZATION A.1-451-275-11 DEFLECTION YOKE (SY-158) 1-452-032-00 MAGNET, DISK; 10MM Ø 1-452-094-00 MAGNET, ROTATABLE DISK; 15MM & *1-558-745-11 CABLE, P-P CORD, POWER SP901 1-503-914-11 SP902 1-503-914-11 SPEAKER SPEAK ER 5903 1-529-062-11 BUZZER 1-529-062-11 BUZZER T1701A.1-439-416-31 TRANSFORMER ASSY, FLYBACK TU101A.1-463-771-11 TUNER, ET (BTP-201A) V901 A.8-737-753-05 PICTURE TUBE (A68JMT50X)

ACCESSORIES AND PACKING MATERIALS

| Part No. | Description | Remark |
|--|--|--------|
| A-1470-821-A 1-417-131-11 A.1-417-135-11 *4-388-386-01 *4-388-387-01 | COMMANDER ASSY (RM-755) CONVERTER (CND ONLY) MIXER, U/V (USA ONLY) CUSHION (UPPER) (ASSY) CUSHION (LOWER) (ASSY) | |
| *4-388-388-01 4-482-553-21 4-482-553-31 | INDIVIDUAL CARTON MANUAL, INSTRUCTION MANUAL. INSTRUCTION (CND ONLY) | |

Les composants identifies par une trame et une marque A sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

The components identified by shading and mark \triangle are critical for safety.

Replace only with part number specified.

MC-Service

Sony Corporation
TV Group